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1959



CLEVELAND COLLEGE of **WESTERN RESERVE UNIVERSITY**

COURSES for COLLEGE CREDIT
*for Non-Credit Offerings,
Turn Booklet Over*

WINTER SESSION • 1959

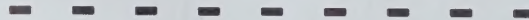
Newton D. Baker Memorial Building
Cleveland, Ohio

A Few Words from the President of Western Reserve University

Cleveland College is based upon the belief that education is a process that should continue throughout the entire life of an individual. The growing and maturing individual develops new interests, is faced with new opportunities and new problems. He must continue to learn new facts, new skills, and new techniques.

Cleveland College, organized as the unit of Western Reserve University to provide high quality university educational opportunities for adults, presents in this booklet its complete offerings for the coming semester. I hope you will find herein a course or courses which will be stimulating and challenging.

John S. Millis,
President



How to use this Booklet

IF you are interested in enrolling in courses for college credit or as part of a program of study leading to a degree . . .

READ PAGES 3 to 8 inclusive and see description of courses beginning on PAGE 9.

IF you are interested in Short Courses and Other Programs of the General Education Division of Cleveland College . . .

TURN booklet over to cover entitled NON-CREDIT OFFERINGS and read PAGES 1 and 2 and see description of courses beginning on PAGE 3.

IF you are interested in Special Courses, Institutes, Workshops, Public Lectures, a Real Estate Certificate or the World Politics Program . . .

TURN booklet over to cover entitled NON-CREDIT OFFERINGS and read PAGES 10 to 12.

CLEVELAND COLLEGE OF WESTERN RESERVE UNIVERSITY

JOHN S. DIEKHOFF, Ph.D., L.H.D., Dean

LESLIE E. BROWN, M.A., Dean of Administration

ALLAN F. PFLEGER, M.A., Assistant Dean of Administration

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Office of the Deans and Educational Counselors,
110 Newton D. Baker Memorial Building

Office of the General Education Division,
116 Newton D. Baker Memorial Building

Office of the World Politics Program,
122 Newton D. Baker Memorial Building

Opportunities and Challenges

Educational opportunities for adults are offered in University courses on a full-time or part-time basis, morning, afternoon or evening, through Cleveland College of Western Reserve University.

Men and women, employed full-time or part-time or not at all, may enroll in credit courses with or without being candidates for degrees. A schedule of interesting courses (one or more) can be worked out so as not to conflict with work or other schedules.

Four hundred courses for credit are offered, mornings, afternoons and evenings, mostly on the University campus at Euclid Avenue and Adelbert Road (both north and south of the avenue) . . . Evening courses are offered in the west side Center at Lakewood High School. Two college credit courses are offered by TV on WEWS, Channel 5.

All day and evening classes in courses for credit are conducted by the University faculty in Arts and Sciences and in Business. Winter Session begins September 23, 1959. Students can register by three methods. See "How to Enroll and Register" on page 5. Alert Americans are challenged by opportunities for greater knowledge and intellectual stimulus. In this booklet are many interesting challenges.

Calendar

COURSES FOR CREDIT AND DEGREE PROGRAMS WINTER SESSION 1959-1960

September 23, Wednesday

WINTER SESSION CLASSES BEGIN

November 26-29, Thursday to Sunday

THANKSGIVING RECESS

December 18 - January 3, Friday to Sunday

CHRISTMAS RECESS

January 19, Tuesday

LAST DAY OF CLASSES

January 21 - 29, Thursday to Friday

FINAL EXAMINATIONS

January 30, Saturday

WINTER SESSION ENDS

February 3, Wednesday

CONVOCATION FOR AWARDDING DEGREES

February 10, Wednesday

SPRING SESSION CLASSES BEGIN

This Booklet (pages 3 to 32)

will acquaint you with the program of Cleveland College and how you may enroll for a single course or plan a program of studies designed to continue your education. It also contains regulations which you as a University student should know, together with information about University services which you will be using during your stay at Cleveland College.

HOW TO CHOOSE COURSES OF STUDY

This section of the folder contains a description of all undergraduate courses offered in the Winter Session of 1959-60. Courses are classified under ARTS AND SCIENCES, LIBRARY SCIENCE, and BUSINESS ADMINISTRATION. Departments are arranged alphabetically under these categories.

We suggest that you run through the courses quickly and make a note of the fields in which you might like to study. Then, go back and carefully consider the courses in those fields.

COUNSELING

Educational Counseling: After you have examined the course offerings you may wish to avail yourself of the services of the Cleveland College Educational Counseling Office. The Educational Counselors will help you select a single course or a group of courses designed to satisfy a specific objective. The Counselors are also prepared to help you plan a program of study which will lead to a Bachelor's degree or satisfy the requirements for pre-professional study in many fields. Persons who desire information regarding their educational plans or who wish to enroll for the first time are urged to request an appointment with an Educational Counselor. There is no obligation. Telephone CEdar 1-7700, Extension 613.

Veterans Counseling: Veterans studying under PL550 should consult the Veterans Counselor regarding any questions they have about their eligibility under the law. Telephone CEdar 1-7700. During the regular registration dates the Veterans Counselor will be located in the Adelbert Gymnasium.

Who Can Take Courses . . .

ADMISSION REQUIREMENTS

When you have decided upon a tentative program you will want to know how you may be admitted to the courses you have selected. All prospective undergraduate students wishing to enroll on a PART-TIME basis (less than twelve hours of college credit) should address their initial inquiries to Cleveland College, Educational Counseling Office, Newton D. Baker Bldg. Cleveland 6, Ohio, Telephone CEdar 1-7700, Extension 613. Undergraduate students wishing to enroll on a FULL-TIME basis should communicate with the University Director of Admission, Western Reserve University, Cleveland 6, Ohio, CEdar 1-7700, Extension 721. New students apply under one of the categories below:

CANDIDATES FOR THE DEGREE

Admission by High School Certificate: Graduates of approved secondary schools will be considered for admission provided their academic records meet the approval of the University Committee on Admission and provided they qualify on the basis of scholastic aptitude tests.

Admission by College Transfer: Applicants possessing satisfactory records at other colleges of recognized standing will be considered for admission provided the college in question forwards an official transcript of record bearing a statement of honorable dismissal. Successful completion of a scholastic aptitude test may be required.

NON-DEGREE STUDENTS

Non-Degree Students: Applicants 21 years of age or over may be admitted to those courses of study for which their training or experience has qualified them. Such students may become eligible for degree status when they meet satisfactorily the formal requirements for admission.

Non-Degree Students: Applicants under 21 years of age must apply for admission as "Candidates for the Degree." (See above.)

Transient Students: Regularly enrolled students at other colleges of recognized standing may be enrolled at Cleveland College as Transient Students for one semester on the basis of a letter from the Registrar of the home college stating that the student is in good standing. The application form for enrollment as a Transient Student may be obtained from the Educational Counseling Office.

Auditors: Students not wishing to be bound by the usual academic requirements set forth for credit students may register as Auditors, a status entitling them to attend classes but not to receive a grade or credit. Auditors must declare themselves at the time of registration.

FEES

Tuition: The cost of each course is indicated immediately after the description of the course. Tuition is computed on the basis of \$28.00 for each credit hour. Tuition and fees are due at the time of Registration. Checks and money orders should be made payable to Western Reserve University for the exact amount due.

Tuition Payment Plans: Arrangements may be made for the payment of tuition in installments. A slight service charge is added for deferred payments.

PLAN	Carrying Charge	DATES PAYMENTS DUE			
		1st Payment	2nd	3rd	4th
Two payments	\$.50	At Registration	Oct. 15		
Three payments	1.00	At Registration	Oct. 15	Nov. 15	
Four payments	1.50	At Registration	Oct. 15	Nov. 15	Dec. 15

The office of the University Cashier, located in Room 6, Adelbert Main Building, is open Monday through Thursday until 7:00 p.m., Friday until 5:00 p.m. Students are expected to meet their payments without notice on dates due.

Veterans: Veterans who qualify under Public Law 550 make tuition payments as do other students: the total sum at Registration time or installments under the tuition payment plan. After certification they will be reimbursed monthly by the government.

How to Enroll and Register . . .

Three methods of registration have been devised for your convenience.

I. Pre-Registration Counseling: To request an appointment with an Educational Counselor, call CEdar 1-7700, Extension 613, or fill out the form on page 32 and check the proper space. At the time of the appointment you may discuss a single course or a whole program of study and you may register for those courses of your choice. This method is recommended for those wishing to satisfy some special objective; it is required of new students who wish to become candidates for the Bachelor's degree.

II. Mail Registration: To register by mail, fill out the form on page 32 and mail it to Cleveland College before registration time. When the courses you have selected have been approved you will receive the necessary registration forms by mail. These you will be asked to complete and return promptly with your check or money order. This method is recommended for those who have previously enrolled in the credit program at Cleveland College.

III. At Registration Time: Cleveland College students may elect to register on the dates, hours and places set forth in the Registration Schedule at right. Students wishing to register at the University Campus in accordance with this schedule must call the Educational Counseling Office, CEdar 1-7700, Extension 613, for an appointment to register. Registration appointment cards enable students to register with a maximum of convenience and a minimum of delay. Registration appointments are not required for students registering at the Lakewood Center.

Parking For Registration: Parking spaces will be available in Severance Parking Lot, entrance from Bellflower Rd.

Late Registration: It is to the student's advantage to enroll before September 23, the first day of classes. However, late registrations will be accepted until noon Saturday, October 3. An additional fee will be charged. Contact the Educational Counseling Office for late registration.

Withdrawal: A student enrolled through Cleveland College must contact the Educational Counseling Office in order to withdraw officially from any course or courses.

REGISTRATION SCHEDULE FOR COURSES FOR CREDIT AND DEGREE PROGRAMS

UNIVERSITY CAMPUS — Adelbert Gymnasium, 2128
Adelbert Rd.

Saturday, September 19, 9:00 a.m.-12:00 m; Monday,
September 21, 1:30-8:00 p.m; Tuesday, September
22, 1:30-8:00 p.m.

LAKEWOOD CENTER — Lakewood High School,
Bunts Rd. and Franklin Blvd.

Monday, September 21, Wednesday, September 23,
6:00-8:00 p.m.

LOCATION OF CLASSES FOR CREDIT COURSES

(Classrooms will be published in University Roster.)

UNIVERSITY — SOUTH CAMPUS

Adelbert Gymnasium, 2128 Adelbert Road
Adelbert Main Building, 2040 Adelbert Road
Biology Building, 2080 Adelbert Road
Chemistry Building, (next to Eldred Hall)
Eldred Hall, 2070 Adelbert Road
Geology and Geography Building, 2029 Adelbert Road
Hearing and Speech Center, 11095 Euclid Avenue
Home Economics Building, 2023 Adelbert Road
Karl Davis House, 2128 Adelbert Road
Newton D. Baker Memorial Bldg., Euclid Avenue and Adelbert Road
Observation School, 2064 Stearns Road
Physics Building, 2060 Adelbert Road

UNIVERSITY — NORTH CAMPUS

Architecture House, 1715 Magnolia Drive
Art Studios, 1695 Magnolia Drive
Clark Hall, 11130 Bellflower Road
Freiberger Library, East Blvd. and Bellflower Road
Harkness Chapel, Mather Campus
Interior Design Studios, 1725 Magnolia Drive
Mather Gymnasium
Mather Memorial Building, Bellflower Road and Ford Drive
Museum of Art, 11150 East Blvd.
Music House and Annex, 11039 Bellflower Road
Psychology Laboratory, 1901 Magnolia Drive

DOWNTOWN

Television Station: WEWS, 3001 Euclid Avenue
Cleveland Institute of Music, 3411 Euclid Avenue
The Play House, 2040 East 86th Street

TRANSPORTATION

Private Automobile: The requests for campus parking space exceed the space available. Thus, the privilege of parking on the campus is granted only to students who must drive cars to reach the campus. Permission cannot be granted to students who can use public transportation. Students may apply for parking permits at the time of registration. Permits must be obtained for each session of the University. A charge of \$3.00 per semester is made for students on a part-time basis (less than 12 credit hours). A charge of \$10.00 per semester is made for full-time students. The money collected in parking fees is used exclusively for improving and expanding the parking facilities. Parking permits merely authorize holders to park on the campus; they do not guarantee a place to park. Students given the privilege of campus parking agree to comply with the printed parking rules. Violators are liable to a fine, revocation of the permit, or to disciplinary action.

CTS Rapid Transit: Two stations are near the Campus. University-Cedar Stop is a short walk from the South Campus. A sidewalk short-cut runs from Fairchild Avenue near the CTS Station direct to Adelbert Road. The Euclid-East 120 Station is a short walk from the North Campus, or the Campus may be reached quickly by transfer to a No. 6 Euclid Avenue bus.

CTS Bus Lines: Express bus routes 30 and 28 and local bus route 6 run on Euclid Avenue with stops at the Campus.

IN-PLANT COUNSELING

Counselors are available for in-plant educational counseling and programming. Officials of business, industrial and community organizations wishing this service are invited to call Cleveland College, CEder 1-7700, Extension 613.

LAKEWOOD CENTER

Classes on Monday and Wednesday evenings in Lakewood High School, Bunts Road and Franklin Boulevard, co-sponsored by Lakewood Board of Education, and Western Reserve University. University credits, applicable toward a degree, may be earned in all courses offered.

(See the complete listing of courses for descriptions and times of the courses listed below.)

ACCOUNTING.....	103, 104, 203
BANKING AND FINANCE.....	355
BUSINESS LAW.....	329
ECONOMICS.....	201
EDUCATION.....	445
ENGLISH.....	101, 251
HISTORY.....	101
INDUSTRY.....	254, 353
MARKETING AND MERCHANDISING.....	201
POLITICAL SCIENCE.....	101
PSYCHOLOGY.....	101, 213
SOCIOLOGY.....	112, 301
STATISTICS.....	219

NEW STUDENTS AT THE LAKEWOOD CENTER (and all those desiring to discuss a program of study) are urged to request an appointment with an Educational Counselor. See Page 5, How to Enroll and Register, I.

FORMER STUDENTS AT THE CENTER may wish to avail themselves of the convenience of the Mail Registration process. See Page 5, How to Enroll and Register, II.

TELECOURSES

Televised University courses over WEWS, Channel 5, may be taken for college credit by fulfilling home study and reading assignments, and by passing the final examinations. Those not seeking credit may purchase the Home Economics Home Study Guide for \$3.00. An Outline of Lectures including a bibliography is available for the Political Science course for 25 cents. (When purchasing separately please send coin.) (See course listings for times and descriptions.)

Home Economics. 101. Introduction to Nutrition.
Political Science. 101. Introduction to Government.

GRADUATE PROGRAMS OF STUDY

It is the policy of the University to encourage college graduates to continue their education at the graduate level. For entrance into The Graduate School or into the Graduate Division of the School of Business apply to the University Admission Office, 2040 Adelbert Road, Cleveland 6, Ohio, CEdar 1-7700, Extension 721.

PROGRAMS OFFERED IN COOPERATION WITH THE SCHOOL OF BUSINESS

Certificate in Business Administration

A Certificate in Business Administration is awarded to students who have satisfied the admission requirements of degree candidates and have completed a specified 60 semester hours of work, with at least a C average.

Certified Public Accountancy Certificate

Training is offered to prepare students for the examinations required of applicants for C.P.A. certificate, although the examinations and the certificate are given only by the State Board of Accountancy.

Certificate in Real Estate

Several courses in Real Estate designed to prepare candidates for the State Examinations for licensed Real Estate brokers are offered in cooperation with the Cleveland Real Estate Board.

Further details regarding these programs turn this booklet over to cover entitled NON-CREDIT OFFERINGS.

SHORT COURSES

Fall Series Begins September 8

A program of Short Courses designed for people more interested in ideas or skills than in acquiring college credit is available through the General Education Division of Cleveland College. For course descriptions turn this booklet over to cover entitled NON-CREDIT OFFERINGS.

SPECIAL COURSES

The Special Courses offer unique programs of special interest and usefulness to adults. The Special Courses are planned to meet the needs of particular groups in the community (school teachers, administrators, management personnel in business and industry, civic leaders, and others) and serve to focus the facilities of the University on educating special groups.

These courses follow no particular pattern. The method of teaching and pattern of the courses develop from the educational problem of the community group seeking the educational services of the University.

Groups seeking to formulate courses or programs suited to their special needs should consult SPECIAL COURSES, CEder 1-7700, Extension 613.

WORLD POLITICS PROGRAM

Discussion Groups

Winter Series Begins Week of September 28

The compelling issues in modern world politics come to life through informal group discussion. Basing their lively exchange of ideas on brief, provocative readings, busy men and women become better able to form their own independent judgments in national and international affairs.

This Winter's varied Program offers six different discussion series: WORLD POLITICS; DEMOCRACY U.S.A.; AMERICAN FOREIGN POLICY; RUSSIAN FOREIGN POLICY; ECONOMICS AND POLITICS; and the new CASE STORIES in AMERICAN POLITICS.

For course descriptions turn this booklet over to cover entitled NON-CREDIT OFFERINGS.

TABLE OF CONTENTS

Art and Architecture	9
Astronomy	10
Biology	10
Chemistry	11
Classics	12
Comparative Literature	12
Dramatic Arts	12
Education	12
English	13
French	15
Geography	15
Geology	16
German	16
Greek	17
History	17
Home Economics	17
Humanities	18
Italian	19
Journalism	19
Latin	19
Mathematics	19
Medical Technology	20
Music	20
Applied Music	21
Philosophy	21
Physical Education	22
Physics	23
Political Science	23
Psychology	24
Reading Improvement Service	25
Religion	25
Russian	25
Sociology	25
Spanish	26
Speech	26
Library Science	27
Accounting	28
Banking and Finance	28
Business Law	29
Economics	29
Industry	29
Management	30
Marketing and Merchandising	30
Office Administration	31
Statistics	31

ARTS AND SCIENCES

ART AND ARCHITECTURE

120. DRAWING AND PAINTING. Drawing from life, plants and objects; developing observation of form, structure and proportion. Required of Visual Art majors. Cr. 2. \$56.

- | | |
|---------------------------|-------------|
| a. M. W. 1:00-4:00 p.m. | Travis |
| b. T. Th. 8:00-11:00 a.m. | Grauer |
| c. T. Th. 2:00-5:00 p.m. | Dubaniewicz |
| d. M. W. 6:30-9:30 p.m. | Grauer |

150. ELEMENTARY DRAFTING: Axonometric Projection. Investigation and application of methods of parallel projection. Cr. 3. \$84.

- | | |
|------------------------------|--------|
| T. Th. 8:00 a.m.-12:00 noon, | Reeves |
| W. 1:00-5:00 p.m. | |

170. SHOP DESIGN. Introduction to three-dimensional problems through experiments in materials and methods. Development of manual dexterity through use of tools; relating of materials to human use. Required of all Visual Art majors. Cr. 1. \$28.

- | | |
|----------------------|----------|
| a. M. 1:00-4:00 p.m. | O'Sickey |
| b. T. 1:00-4:00 p.m. | O'Sickey |

205. INTRODUCTION TO ART HISTORY I. Preparation for an understanding of the humanistic relationships and enjoyment of painting, sculpture, and architecture; terminology and principles necessary to formation of judgments. Required of all Art majors. Cr. 3. \$84.

- | | |
|---------------------------|--------|
| M. W. F. 10:10-11:00 a.m. | Pierce |
|---------------------------|--------|

220. DRAWING AND PAINTING. Prereq.: Art 120 and 121. A continuation of work at that level. Cr. 1. \$28.

- | | |
|-------------------|--------|
| F. 1:00-4:00 p.m. | Grauer |
|-------------------|--------|

240. THE THEORY OF INTERIOR DESIGN. Art principles in relation to interior design. Design problems involving color, texture, shapes and space in interiors. Cr. 3. \$84.

- | | |
|---------------------------|------|
| a. T. Th. 9:30-10:45 a.m. | Ball |
| b. M. W. 6:30-7:45 p.m. | Ball |

250. MATERIALS AND CONSTRUCTION. The natural building materials of wood, stone and brick; physical and structural properties, proper use, limitations and combinations in building construction. Prereq.: Art and Architecture 151. Cr. 3. \$84.

- | | |
|---|--------------------|
| Th. 8:00 a.m.-12:00 noon, 1:00-5:00 p.m., | Droppers, Schwartz |
| F. 1:00-5:00 p.m. | |

252. MECHANICS. Conditions of static equilibrium in engineering structures, building and trusses; reactions, stresses, centroids, moments of inertia and graphical solutions. Cr. 3. \$84.

- | | |
|-------------|--------|
| As arranged | Scalzi |
|-------------|--------|

280. VISUAL TRAINING. Problems in the elements of design. Development of visual perception and aesthetic judgment. Required of all Visual Art majors. Cr. 1. \$28.

- | | |
|-------------------|----------|
| W. 2:30-5:30 p.m. | Schwartz |
|-------------------|----------|

290. DRAWING AND PAINTING. Fundamentals of art structure; emphasis on development of a personal idiom. Experiments with a variety of media and problems of evaluation. For majors in elementary education. Cr. 3. \$84.

- | | |
|---------------------------|--------------|
| a. T. Th. 9:30-10:45 a.m. | Saastamoinen |
| b. T. Th. 1:00-2:15 p.m. | Saastamoinen |

304. ANCIENT ART. Visual arts in Egypt, Mesopotamia, Asia Minor, Greece and Italy. Architecture and sculpture through the Roman period. Cr. 3. \$84.

- | | |
|-------------------------|---------|
| M. W. F. 9:05-9:55 a.m. | Chapman |
|-------------------------|---------|

306. MEDIEVAL ART. From the 4th to 15th century under Christianity in Byzantine and European cultures. Cr. 3. \$84.

- | | |
|-----------------------------|--------|
| M. F. 11:15 a.m.-12:30 p.m. | Pierce |
|-----------------------------|--------|

313. ART AND CIVILIZATION IN THE UNITED STATES. From colonization to the present; European relationships and native tendencies; social and historical background relationships. Cr. 3. \$84.

- | | |
|------------------------|---------|
| T. Th. 9:30-10:45 a.m. | Chapman |
|------------------------|---------|

321. ADVANCED DRAWING AND PAINTING. Representational composition based on out-of-doors subjects in any medium. Prereq.: Art and Architecture 220, 221 or consent of instructor. Cr. 2. \$56.

- | | |
|--------------------------|--------|
| a. M. W. 1:00-4:00 p.m. | Grauer |
| b. T. Th. 6:30-9:30 p.m. | Grauer |

323. ADVANCED DRAWING AND PAINTING. Water color, oil, pastel and black and white media, using figure and costume models. Prereq.: Art and Architecture 220, 221 or consent of instructor. Cr. 2. \$56.

- | | |
|--------------------------|--------|
| a. M. W. 1:00-4:00 p.m. | Grauer |
| b. T. Th. 6:30-9:30 p.m. | Grauer |

335. TEXTILE PAINTING. Design as applied to contemporary textiles through such processes as silk screen painting, block printing and dyeing. Cr. 2. \$56.

- | | |
|----------------------|------------|
| a. W. 1:00-4:00 p.m. | Turobinski |
| b. T. 6:30-9:30 p.m. | Turobinski |

337. **WORKSHOP IN WEAVING.** Analysis of basic weaves, traditional and contemporary. Study of design, color and texture. Cr. 2. \$56.

a. Th. 1:00-4:00 p.m.

Turobinski

b. M. 6:30-9:30 p.m.

Turobinski

338. **WORKSHOP IN ADVANCED WEAVING.** Continued study of design in handweaving; special problems including those posed by contemporary interior architecture and design. Cr. 2. \$56.

a. Th. 1:00-4:00 p.m.

Turobinski

b. M. 6:30-9:30 p.m.

Turobinski

343. **PRESENTATION AND DELINEATION OF INTERIOR DESIGNS.** Cr. 3. \$84.

T. 1:00-2:15 p.m., Th. 1:00-4:00 p.m.

Ball

347. **PROFESSIONAL PRACTICE IN INTERIOR DESIGN.** Obligations, ethics, business. Field work and classroom study. Cr. 3. \$84.

M. W. F. 9:05-9:55 a.m.

Ball

350. **ARCHITECTURAL CONSTRUCTION I.** Development of structural systems in bearing wall and skeleton types. Solution of foundation, wall, floor and roof construction. Prereq.: Art and Architecture 251. Cr. 3. \$84.

M. 1:00-5:00 p.m.,

Chaty, Droppers

T. 8:00 a.m.-12:00 noon, 1:00-5:00 p.m.

352. **GRAPHIC STATICS.** Forces, components, resultants and conditions of static equilibrium in beams and trusses. Solution of trusses by Maxwell Diagram methods. Prereq.: Art and Architecture 253. Cr. 2. \$56.

As arranged

Scalzi

354. **STRUCTURAL DESIGN II.** Theory and design practice of steel structures for beams, girders, plate girders, columns, tension members and trusses. Consideration of base details and connections. Prereq.: Art and Architecture 353. Cr. 3. \$84.

As arranged

Scalzi

356. **ARCHITECTURE I.** Clarification of architectural principles; structure, space, proportion. The expression value of materials. Painting and sculpture in their relationship to architecture. Prereq.: Art and Architecture 351. Cr. 3. \$84.

M. 1:00-5:00 p.m.,

Toguchi

T. 9:00 a.m.-12:00 noon, 1:00-5:00 p.m.

360. **FUNCTIONS OF BUILDINGS I.** Influences on the development of housing. Different types of housing and their relation to each other. Factors influencing the planning, location and size of community building. Prereq.: Art and Architecture 251. Cr. 2. \$56.

Th. F. 1:00-5:00 p.m.

Reeves, Gould

362. **PLANNING I.** Analysis of the various city areas; their interrelationships and problems. Redevelopment of different parts of the present day city. Prereq.: Art and Architecture 361. Cr. 2. \$56.

Th. F. 1:00-5:00 p.m.

Gould

380. **VISUAL TRAINING.** Problems in the elements of design. The development of visual perception and aesthetic judgment. Prereq.: Art and Architecture 281. Cr. 1. \$28.

Th. 9:05 a.m.-12:00 noon

Reeves

392. **ELEMENTARY ART EDUCATION.** Survey of trends. Opportunity to participate in and evaluate teaching procedures in the classroom. Cr. 3. \$84.

T. 2:30-3:45 p.m., F. 1:00-4:00 p.m.

Saastamoinen

393. **SECONDARY SCHOOL ART.** Participation in classroom activities selected by students. Evaluation of observations based on these activities. Cr. 3. \$84.

M. W. 1:00-4:00 p.m.

Saastamoinen

ASTRONOMY

101. **THE SOLAR SYSTEM.** The sun, moon, planets, meteors and comets and the instruments used in observing them. Telescopic observations and constellation identification. Cr. 3. \$84.

T. Th. 6:30-7:45 p.m.

Donner

BIOLOGY

107. **GENERAL BOTANY.** Introductory study of plants. Cr. 4. \$112.

a. M. F. 11:15 a.m.-12:05 p.m. plus

Bole, Alldridge

Laboratory: 1. M. W. 3:00-4:50 p.m., or

2. T. Th. 1:00-2:50 p.m.

b. M. W. 6:30-9:30 p.m.

Bole, Alldridge

108. **GENERAL ZOOLOGY.** Introductory study of animals. Cr. 4. \$112.

T. Th. 11:00-11:50 a.m. plus

Davis

Laboratory: 1. M. W. 1:00-2:50 p.m., or

2. T. Th. 3:00-4:50 p.m.

155. **ELEMENTARY PHYSIOLOGY.** Normal human physiology and a reasonable conception of hygiene presented in simple terms. Cr. 4. \$112.

T. Th. 8:00-8:50 a.m. plus

Foreman

Laboratory: 1. M. W. 1:00-2:50 p.m., or

2. T. Th. 1:00-2:50 p.m.

202. BIOLOGICAL SCIENCE IN THE ELEMENTARY GRADES. For majors in elementary education. Cr. 3. \$84.

T. Th. 9:30-10:45 a.m.

Gray

221. COMPARATIVE ANATOMY. A comparative study of representative vertebrate animals. Prereq.: Biology 108. Cr. 4. \$112.

a. F. 9:05-9:55 a.m. plus

Laboratory and recitation:

1. M. W. 8:00-10:50 a.m., F. 8:00-8:50 a.m., or

2. T. Th. 8:00-10:50 a.m., W. 9:05-9:55 a.m.

b. T. Th. 6:00-10:00 p.m.

Gray, Morrison

Gray, Morrison

304. INVERTEBRATE ZOOLOGY. Systematic study of the invertebrate phyla. Prereq.: Biology 108. Cr. 4. \$112.

M. W. 3:00-3:50 p.m., T. 2:00-4:50 p.m.

Davis

326. GENETICS. Mendel's laws, linkage and crossing over, mapping of chromosomes, population genetics, human genetics, and the role of the gene in development. Prereq.: Biology 222 or 231 and Mathematics 101 or equivalent. Cr. 4. \$112.

M. W. F. 8:00-8:50 a.m., M. 2:30-3:30 p.m.

Steinberg

328. HUMAN HEREDITY. Technical problems; gene distribution as illustrated by blood types and various hereditary diseases related to the races of man and to epidemiology. Prereq.: Biology 107 or 108. Cr. 3. \$84.

M. W. F. 1:00-1:50 p.m.

Steinberg

331. CRYPTOGAMIC BOTANY. Identification, reproduction, and economic uses of non-flowering plants. Prereq.: Biology 107. Cr. 3. \$84.

T. Th. 11:00-11:50 a.m., F. 1:00-3:50 p.m.

Bole

340. PLANT MORPHOLOGY. Comparative anatomy of tracheophyte green plants. Prereq.: Biology 231. Cr. 3. \$84.

T. Th. 1:00-3:30 p.m.

Alldrige

351. CYTOLOGY AND TECHNIQUE. Structure and organization of protoplasm and the methods of preparing living and fixed cells. Prereq.: 2 years of Biology, 2 years of Chemistry and 1 year of Physics. Cr. 3. \$84.

M. F. 11:00-11:50 a.m., T. 1:00-3:50 p.m.

Morrison

372. PLANT HISTOLOGY. The structure of plant cells, tissues and organs. Prereq.: Biology 231. Cr. 3. \$84.

M. F. 11:00-11:50 a.m., M. 2:30-3:30 p.m.

Alldrige

373. BOTANICAL PROBLEMS. Special work arranged according to the qualifications of the student. Cr. 3. \$84.

As arranged

375. ZOOLOGICAL PROBLEMS. Special work arranged according to the qualifications of the student. Cr. 3. \$84.

As arranged

CHEMISTRY

101. GENERAL CHEMISTRY I. Primarily for those students who plan to take only one year of chemistry. Cr. 3. \$84.

T. 8:00-10:50 a.m., Th. 8:55-10:45 a.m.

Damerell

103. FUNDAMENTALS OF CHEMISTRY. For those who plan to take more than one year of chemistry. No previous knowledge of chemistry is required. Cr. 4. \$112.

a. M. W. F. 9:05-9:55 a.m. plus lab.

Petrucci, Staff

b. M. W. F. 10:10-11:00 a.m. plus lab.

Petrucci, Staff

Laboratory: 1. M. 1:00-3:50 p.m., or

2. W. 1:00-3:50 p.m., or

3. Th. 1:00-3:50 p.m.

c. T. 6:30-10:20 p.m., Th. 7:30-9:20 p.m.

Petrucci, Staff

221. ORGANIC CHEMISTRY I. Prereq.: Chemistry 104. Cr. 3. \$84.

a. T. Th. 9:30-10:20 a.m. plus lab.

Lankelma

b. T. Th. 11:00-11:50 a.m. plus lab.

Lankelma

Laboratory: 1. T. 1:00-3:50 p.m., or

2. Th. 1:00-3:50 p.m.

c. T. 7:30-9:20 p.m., Th. 7:30-10:20 p.m.

Dannley

301. THE USE OF CHEMICAL LITERATURE. Prereq.: Two years of college chemistry or permission of instructor. Cr. 1. \$28.

T. 8:00-8:50 p.m.

Focke

321. CHEMISTRY OF NATURAL PRODUCTS I. Stereochemistry, carbohydrates, proteins, lipids, essential oils and terpenes. Prereq.: Chemistry 222. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m.

Grummitt

327. INTERMEDIATE ORGANIC CHEMISTRY. Reactions of organic chemistry. Laboratory applications to problems in synthesis and semimicro qualitative analysis. Prereq.: Chemistry 222. Cr. 4. \$112.

M. F. 1:00-3:50 p.m., W. 1:00-2:50 p.m.

Dannley

334. QUANTITATIVE ANALYSIS I: Gravimetric and Volumetric Methods.

Prereq.: Chemistry 104. Cr. 4. \$112.

a. F. 1:00-2:50 p.m. plus Damerell

Laboratory: 1. T. 1:00-3:50 p.m., or
2. T. Th. 1:00-3:50 p.m.

b. T. Th. 6:30-10:20 p.m. Damerell

340. ELEMENTARY PHYSICAL CHEMISTRY. Theory of solutions and electrochemistry. Prereq.: Two years of college chemistry. Cr. 4. \$112.

M. W. F. 9:05-9:55 a.m., W. 1:00-3:50 p.m. Hovorka, Firestone

343. PHYSICAL CHEMISTRY I. Prereq.: Chemistry 334 and Mathematics 110 or 204. Cr. 4. \$112.

a. M. W. F. 10:10-11:00 a.m. plus Hovorka, Yeager, Firestone
Laboratory: 1. T. 1:00-3:50 p.m., or

2. Th. 1:00-3:50 p.m.

b. M. Th. 7:00-8:45 p.m., Hovorka, Yeager, Firestone
W. 7:30-10:20 p.m.

CLASSICS

(See also Greek and Latin)

341. GREEK LITERATURE IN TRANSLATION. Extensive and intensive reading in the literature of Greece. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m. Bliss

COMPARATIVE LITERATURE

331. 19TH CENTURY EUROPEAN FICTION. Realism in continental fiction, with emphasis on Balzac, Flaubert, Zola, Tolstoy, Dostoevsky and Verga. Cr. 3. \$84.

M. W. 8:00-9:15 p.m. Lindstrom

341. 20TH CENTURY EUROPEAN FICTION. Representative forms of the novel, with emphasis on Proust, Joyce, Kafka and Mann. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m. Lindstrom

351. THE EPIC. Advanced study of the epic as a type, including the primitive epic, the literary epic, and such topics as folktale, epic simile and metaphor, and epic tradition. Cr. 3. \$84.

T. Th. 9:30-10:45 a.m. Cook

DRAMATIC ARTS

201. ORAL INTERPRETATION OF DRAMATIC LITERATURE. The speaking of dialogue. Chiefly modern prose plays with emphasis on poetic drama of the past and present. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m. Miles

223. APPRECIATION OF THE THEATRE. Theatre as an art form. Styles of production in leading theatres of America and Europe. Study of works of outstanding playwrights, directors, actors and designers. Cr. 3. \$84.

a. M. F. 11:15 a.m.-12:30 p.m. Leathem

b. T. Th. 1:00-2:15 p.m. Leathem

231. ACTING TECHNIQUE I. Rehearsal and performance of scenes and class exercises to develop creative imagination as a basis for acting. Prereq.: Dramatic Arts 201 or consent of instructor. Cr. 3. \$84.

W. 2:30-5:00 p.m. Miles

241-3. ELEMENTS OF TELEVISION. TV facilities in dramatic and other educational programs. Cr. 3. \$84.

a. M. W. F. 9:05-9:55 a.m. Breslin

241-2. ELEMENTS OF TELEVISION. Cr. 2. \$56.

b. W. 7:00-8:45 p.m. Station WEWS Leathem

323. STAGECRAFT I. Technical problems of play production. Assignments in workshop and backstage during performances. Cr. 3. \$84.

T. Th. 1:00-3:45 p.m. and other hours as arranged Kurth

331. PLAY DIRECTING I. Director's interpretation of the play; techniques, history. Each student directs at least one play. Prereq.: Dramatic Arts 231 or 232, or consent of instructor. Cr. 3. \$84.

M. W. 1:00-2:15 p.m. McCollom

387. MOTION PICTURE PRODUCTION I. Technical understanding and application in 16 mm. field. Camera construction, optics, lighting, emulsions, exposing, sets, and direction. Cr. 3. \$84.

W. 6:30-9:30 p.m. Observation School Borza

EDUCATION

101. INTRODUCTION TO TEACHING IN THE ELEMENTARY SCHOOL. History, organization, curricula, objectives of elementary schools in the United States. Observation in public schools. Cr. 3. \$84.

T. Th. 2:30-3:45 p.m. Emlaw

202. LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. Methods of teaching reading, spelling, handwriting, and oral and written expression. Observation in public schools. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m.

304. EDUCATIONAL PSYCHOLOGY. Background for understanding the psychological principles underlying modern theories of education. Basis for evaluating school practice at its best. Cr. 3. \$84.

a. T. Th. 8:00-9:15 a.m.

Powell

b. T. Th. 9:30-10:45 a.m.

Fleming

c. T. Th. 8:00-9:15 p.m.

Fleming

305. CHILDREN'S LITERATURE. Methods and materials of literature in nursery, kindergarten, primary and intermediate grades. Cr. 3. \$84.

T. Th. 4:00-5:15 p.m.

Gross

306. CLASSROOM MANAGEMENT AND STUDENT TEACHING IN THE ELEMENTARY SCHOOL. Teaching under supervision of a training teacher and a supervisor from the University. Preparation of teaching materials; daily conferences. Prereq.: approval of the Student Teaching Committee. Cr. 6. \$168.

Daily, forenoons, as arranged

Emlaw, Forest

307. STUDENT TEACHING IN THE ELEMENTARY SCHOOL. A second period of teaching at a different level, involving more responsibility and participation in teaching. Prereq.: approval of the Student Teaching Committee. Cr. 6. \$168.

Daily, forenoons, as arranged

Emlaw, Forest

308. STUDENT TEACHING IN THE SECONDARY SCHOOL. Open only to students whose applications have been approved in advance. A quality point average of 2.5 in the teaching fields and an overall quality point average of 2.5 are necessary. Required of all students who qualify for Ohio provisional high school certificates. Cr. 6. \$168.

Daily, forenoons, as arranged

Malinchoc, Nixon

312. SECONDARY SCHOOL ADMINISTRATION AND MANAGEMENT. Problems as they concern the teacher. Planned to accompany Education 308. Prereq.: Education 314 or consent of instructor. Cr. 3. \$84.

T. Th. 4:00-5:15 p.m.

Malinchoc

313. PRINCIPLES OF TEACHING IN THE ELEMENTARY SCHOOL. Construction and operation of units of work. Illustrative materials from student's own teaching discussed and evaluated. Must be taken concurrently with Education 306 or 307. Cr. 3. \$84.

T. Th. 2:30-3:45 p.m.

Forest

314. PRINCIPLES OF TEACHING IN THE SECONDARY SCHOOL. Teaching as guidance to learning activities. Principles and techniques discussed, analyzed and observed in classroom visits. Cr. 3. \$84.

a. T. Th. 8:00-9:15 a.m.

Malinchoc

b. T. Th. 9:30-10:45 a.m.

Malinchoc

321. NURSERY SCHOOL TEACHING. Room arrangement, programming, guidance in use of materials; relationships with parents and staff members. Survey of literature. Two hours of laboratory required. Cr. 3. \$84.

M. W. 7:00-9:00 p.m.

Forest

350. SOCIAL STUDIES IN THE ELEMENTARY SCHOOL. Organization of curriculum of social studies. Development of units for age levels providing for progress in tool subjects and evaluating progress and values. Cr. 3. \$84.

M. W. 4:30-5:45 p.m.

Emlaw

445. READING IN THE ELEMENTARY SCHOOL. Cr. 3. \$84.

b. W. 7:30-9:30 p.m.

Lakewood

ENGLISH

001. FUNDAMENTALS OF ENGLISH. Review of grammar, sentence structure, and punctuation; training and practice in writing compositions. Individual conferences. No Credit. \$84.

T. Th. 6:30-7:45 p.m.

McDougall

005. SPOKEN ENGLISH FOR FOREIGN STUDENTS. Intensive oral practice in sounds, characteristic sentence patterns, and intonation of English. Classroom drill supplemented by four hours a week in the language laboratory. No credit. \$84.

M. W. 6:30-9:30 p.m.

Levin, Assistants

006. ENGLISH CONVERSATION FOR FOREIGN STUDENTS. Attention to pronunciation and accentuation. Vocabulary, sentence word order, and idiomatic writing. No credit. \$84.

T. Th. 8:00-9:15 p.m.

Friend

007. READING AND COMPOSITION FOR FOREIGN STUDENTS. Emphasis on vocabulary, reading, grammar and composition as adapted for individual needs. No credit. \$84.

T. Th. 6:30-7:45 p.m.

Reid

101. **ENGLISH COMPOSITION I.** Expository writing with a review of English prose. Cr. 3. \$84.

a. M. W. F. 8:00-8:50 a.m.	Davis
b. M. W. F. 8:00-8:50 a.m.	Clarke
c. M. W. F. 9:05-9:55 a.m.	Layer
d. M. W. F. 9:05-9:55 a.m.	Clarke
e. M. W. F. 10:10-11:00 a.m.	Layer
f. M. W. F. 10:10-11:00 a.m.	Marsh
g. M. W. F. 10:10-11:00 a.m.	Davis
h. M. F. 11:15 a.m.-12:30 p.m.	Friend
j. M. F. 11:15 a.m.-12:30 p.m.	Levin
k. M. F. 11:15 a.m.-12:30 p.m.	Stevenson

(Admission by permission of Deans)

m. M. W. 1:00-2:15 p.m.	
n. T. Th. 8:00-9:15 a.m.	Farnham
p. T. Th. 9:30-10:45 a.m.	Lelyveld
r. T. Th. 9:30-10:45 a.m.	Calhoun
s. T. Th. 9:30-10:45 a.m.	Waterman

(Admission by permission of Deans)

t. T. Th. 11:00 a.m.-12:15 p.m.	Marsh
u. T. Th. 11:00 a.m.-12:15 p.m.	Murrah
v. T. Th. 11:00 a.m.-12:15 p.m.	Cook
w. T. Th. 1:00-2:15 p.m.	Calhoun
x. T. Th. 1:00-2:15 p.m.	Rehor
y. M. W. 6:30-7:45 p.m.	McDougall
z. M. W. 8:00-9:15 p.m.	Adrian
aa. T. Th. 6:30-7:45 p.m.	Murrah
bb. T. Th. 8:00-9:15 p.m.	McDougall
cc. T. Th. 8:00-9:15 p.m.	Reid

(For students with foreign background)

dd. M. W. 6:30-7:45 p.m.	Lakewood	Duff
ee. M. W. 8:45-10:00 a.m.	Institute of Music	Farnham

102. **ENGLISH COMPOSITION II.** Expository writing, including a research paper. Limited reading of current literature. Prereq.: English 101. Cr. 3. \$84.

a. M. W. F. 10:10-11:00 a.m.	Schmidt
b. T. Th. 11:00 a.m.-12:15 p.m.	Schmidt
c. T. Th. 1:00-2:15 p.m.	Kummer
d. M. W. 8:00-9:15 p.m.	McFarland
e. T. Th. 6:30-7:45 p.m.	Kummer

203. **ADVANCED COMPOSITION.** Practice in planning and writing expository essays such as feature articles, profiles, and reviews; individual conferences. Cr. 3. \$84.

T. Th. 1:00-2:15 p.m.	Friend
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204. **NARRATIVE WRITING.** A study of published narratives, particularly the short story and practice in descriptive and narrative writing; individual conferences. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m.	Waterman
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205. **PROSE WORKSHOP: Expository Writing.** Emphasis on biographical writing. Cr. 2. \$56.

T. 6:00-7:45 p.m.	Waterman
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251. **FORMS OF NARRATIVE.** Including epic, tale, narrative satire and novel. Cr. 3. \$84.

a. M. W. F. 9:05-9:55 a.m.	Murrah	
b. M. W. F. 10:10-11:00 a.m.	Friend	
c. M. W. 1:00-2:15 p.m.	Kummer	
d. T. Th. 9:30-10:45 a.m.	Layer	
e. T. Th. 11:00 a.m.-12:15 p.m.	Hamilton	
f. T. Th. 1:00-2:15 p.m.	Layer	
g. M. W. 8:00-9:15 p.m.	McDougall	
h. M. W. 8:00-9:15 p.m.	Lakewood	Duff

252. **DRAMA AND POETRY.** Selected to represent the chief classes of each. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m.	Adrian
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253. **REPRESENTATIVE ENGLISH AUTHORS TO 1800.** Major writers from Beowulf through the 18th century. Cr. 3. \$84.

a. M. W. F. 9:05-9:55 a.m.	Marsh
b. T. Th. 11:00 a.m.-12:15 p.m.	McFarland

254. **REPRESENTATIVE ENGLISH AUTHORS SINCE 1800.** Major writers from Wordsworth to the present. May be taken without English 253. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m.	Waterman
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323. **ENGLISH LITERATURE OF THE 17TH CENTURY.** Development of English literature during secular and religious conflicts of the 17th century. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m.	McFarland
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324. **ENGLISH LITERATURE OF THE 18TH CENTURY.** Poetry, prose and drama written between the death of Dryden and Wordsworth's *Lyrical Ballads*. Cr. 3. \$84.

T. Th. 6:30-7:45 p.m.	Hamilton
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325. ENGLISH LITERATURE OF THE EARLY 19TH CENTURY.

Special attention to the poets. Cr. 3. \$84.

T. Th. 9:30-10:45 a.m.

Marsh

327. AMERICAN LITERATURE TO 1865. From the colonial period to the Civil War, with emphasis on major writers of romanticism and the New England group. Cr. 3. \$84.

T. Th. 1:00-2:15 p.m.

Hastings

328. AMERICAN LITERATURE SINCE 1865. Humanism, realism, and naturalism from the Civil War to the present, with attention to the conflict between tradition and revolt in the 20th century. Cr. 3. \$84.

T. Th. 8:00-9:15 p.m.

Kummer

333. SHAKESPEARE I. Comedies and chronicle history plays. Cr. 3. \$84.

a. M. W. F. 9:05-9:55 a.m.

Stevenson

b. M. W. 1:00-2:15 p.m.

McFarland

338. MODERN ENGLISH AND AMERICAN DRAMA. Theory and practice of dramatic writing since 1890. Cr. 3. \$84.

M. W. F. 10:10-11:00 a.m.

McCollom

342. 19TH CENTURY ENGLISH NOVEL. From Scott to Hardy. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m.

Griffin

344. 20TH CENTURY ENGLISH NOVEL. Bennett, Galsworthy, Wells, Conrad, Huxley, Joyce, and Woolf; others of lesser note. Cr. 3. \$84.

M. W. F. 10:10-11:00 a.m.

Murrah

355. GREAT BOOKS TO 1650. Chief figures of Western literature from Homer through Shakespeare. Not open to students who have completed English 255. Cr. 3. \$84.

a. T. Th. 11:00 a.m.-12:15 p.m.

Jones

b. **M. W. 6:30-7:45 p.m.**

Rehor

362. THE BIBLE AS LITERATURE. Influence on English and American literature. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m.

Reid

378. THE TEACHING OF ENGLISH. Special attention to material suitable for courses in junior and senior high schools. Prereq.: English 311 or equivalent. Cr. 3. \$84.

M. W. F. 9:05-9:55 a.m.

Caldwell

FRENCH

101. ELEMENTARY FRENCH I. Fundamentals of French grammar to read, write, speak, and understand simple French. Cr. 3. \$84.

a. M. W. F. 9:05-9:55 a.m.

Kline

b. M. W. F. 10:10-11:00 a.m.

Osborn

c. M. W. 1:00-2:15 p.m.

Kline

d. T. Th. 9:30-10:45 a.m.

Kupersmith

e. **M. W. 8:00-9:15 p.m.**

Renaudie

201. INTERMEDIATE FRENCH I. Review and further study of grammar and idiomatic expressions; composition and conversation based upon representative types of French literature. Prereq.: French 102 or 2 years of high school French. Cr. 3. \$84.

a. M. W. F. 9:05-9:55 a.m.

Furber

b. M. W. 1:00-2:15 p.m.

Kupersmith

c. T. Th. 9:30-10:45 a.m.

Saisselin

d. T. Th. 1:00-2:15 p.m.

Gerson

e. **M. W. 6:30-7:45 p.m.**

Morrison

211. INTRODUCTION TO FRENCH LITERATURE I. Reading of selected works of French literature. Further study with emphasis on speaking. Prereq.: French 202 or 3 years of high school French. Cr. 3. \$84.

a. M. W. 1:00-2:15 p.m.

Osborn

b. T. Th. 9:30-10:45 a.m.

Furber

301. ADVANCED ORAL PRACTICE. Development of fluency in speaking French. Correct sentence construction and use of idiomatic vocabulary. Prereq.: French 202 or equivalent. Cr. 3. \$84.

a. M. W. F. 10:10-11:00 a.m.

Kupersmith

b. **M. W. 6:30-7:45 p.m.**

Gerson

331. FRENCH LITERATURE OF THE 17TH CENTURY: the Masters of French Classicism I. Descartes, Pascal, Corneille. Prereq. French 211, 212 or permission of the chairman. Cr. 3. \$84.

M. W. 1:00-2:15 p.m.

Furber

341. FRENCH LITERATURE OF THE 18TH CENTURY I. Montesquieu, Voltaire. Prereq.: French 211, 212 or permission of the chairman. Cr. 3. \$84.

T. Th. 1:00-2:15 p.m.

Saisselin

GEOGRAPHY

101. FUNDAMENTALS OF GEOGRAPHY. Survey of the natural environment. Interrelations of human life and elements of natural environment. Cr. 3. \$84.

a. M. W. F. 10:10-11:00 a.m.

Carlson

b. T. Th. 8:00-9:15 p.m.

Walmsley

201. **REGIONAL GEOGRAPHY OF ANGLO-AMERICA.** Presentation of natural resources and economic activities of the United States, Canada and Alaska. Prereq.: Geography 101 or consent of instructor. Cr. 3. \$84.
T. Th. 6:30-7:45 p.m. Walmsley

276. **CLIMATOLOGY.** Survey of climates by continents; patterns, classifications; implications for human occupancy. Prereq.: Geography 101 or consent of instructor. Cr. 3. \$84.
M. F. 11:15 a.m.-12:30 p.m. Walmsley

305. **GEOGRAPHY OF EUROPE.** Raw materials, natural resources; land in relation to nations; interpretations of current happenings. Prereq.: Geography 101 or consent of instructor. Cr. 3. \$84.
T. Th. 9:30-10:45 a.m. Carlson

312. **ECONOMIC GEOGRAPHY.** Geography of world commodities. Unequal distribution of natural resources; differences in economic development. Cr. 3. \$84.
M. W. F. 9:05-9:55 a.m. Carlson

315. **GEOGRAPHY OF AFRICA.** Physical and human resources; economic potentialities. Political affiliations and influences. Prereq.: Geography 101 or consent of instructor. Cr. 3. \$84.
T. Th. 11:00 a.m.-12:15 p.m. Carlson

GEOLOGY

101. **PHYSICAL GEOLOGY.** Dealing with the composition and structure of the earth's crust, development of land forms, volcanism, and earthquakes. Cr. 3. \$84.
a. M. W. F. 10:10-11:00 a.m. Hall
b. T. Th. 8:00-9:15 a.m. Donner
c. M. W. 6:30-7:45 p.m. Hall

102. **PHYSICAL GEOLOGY LABORATORY.** Lab. study of minerals, rocks, and topographic maps. Prereq.: Geology 101. Geology 101 and 102 may be taken concurrently. Cr. 1. \$28.
a. M. 1:00-3:00 p.m. Walmsley
b. T. 1:00-3:00 p.m. Hall
c. W. 1:00-3:00 p.m. Walmsley
d. M. 8:00-10:00 p.m. Hall

201. **MINERALOGY.** Lab. course dealing with crystallography, physical and chemical properties, uses, occurrences, and identification of common minerals. Prereq.: college or high school chemistry. Cr. 3. \$84.
M. F. 11:15 a.m.-12:05 p.m., W. 1:00-4:00 p.m. Donner

211. **ECONOMIC GEOLOGY (Non-Metals).** Nature, distribution, occurrence, origin, and uses. Emphasis on resources of Ohio. Prereq.: Geology 101. Cr. 3. \$84.
T. Th. 9:30-10:45 a.m. Hall

315. **STRUCTURAL GEOLOGY.** Lab. course on structures of igneous, sedimentary and metamorphic rocks. Graphic solutions of structure problems. Interpretation of geologic maps. Prereq.: Geology 101. Cr. 3. \$84.
T. Th. 11:00 a.m.-11:50 a.m., Th. 1:00-4:00 p.m. Donner

GERMAN

101. **ELEMENTARY GERMAN I.** Fundamentals of German grammar, supplemented by reading of easy modern texts. Cr. 3. \$84.
a. M. W. F. 8:00-8:50 a.m. Polt
b. M. W. F. 9:05-9:55 a.m. French
c. T. Th. 8:00-9:15 a.m. Loesch
d. T. Th. 9:30-10:45 a.m. Loesch
e. T. Th. 11:00 a.m.-12:15 p.m. Bartelmez
f. T. Th. 6:30-7:45 p.m. Braasch

201. **INTERMEDIATE LITERARY GERMAN I.** Reading of representative literary works with oral drill and composition. Prereq.: German 102 or 2 years of high school German. Cr. 3. \$84.
a. M. F. 11:15 a.m.-12:30 p.m. Braasch
b. M. F. 11:15 a.m.-12:30 p.m. Polt
c. M. W. 1:00-2:15 p.m. Braasch
d. T. Th. 9:30-10:45 a.m. Bartelmez
e. T. Th. 6:30-7:45 p.m. French

205. **CONVERSATION AND COMPOSITION I.** Development of accuracy in speaking and writing on topics of general interest. Prereq.: at least 6 hours of college German or equivalent. Cr. 3. \$84.
T. Th. 9:30-10:45 a.m. Polt

329. **INTRODUCTION TO THE CLASSICAL PERIOD I.** Lessing, Goethe and Schiller. Prereq.: German 202, or 4 years of high school German, or permission of instructor. Cr. 3. \$84.
M. W. 6:30-7:45 p.m. Bartelmez

351. **RAPID READING I.** Works of modern authors. Emphasis on comprehension without translation. Designed to increase reading facility. Prereq.: German 202, or 4 years of high school German, or permission of instructor. Cr. 3. \$84.
T. Th. 11:00 a.m.-12:15 p.m. Braasch

GREEK

101. **ELEMENTARY GREEK I.** Grammar and reading of elementary prose. Cr. 3. \$84.
M. W. F. 10:10-11:00 a.m. Bliss

201. **SECOND YEAR GREEK I.** Attic Greek. Prereq.: Greek 102 or equivalent. Cr. 3. \$84.
T. Th. 9:30-10:45 a.m. Bliss

307. **GREEK HISTORIANS.** Selections from Herodotus and Thucydides. Prereq.: Greek 201, 202, or equivalent. Cr. 3. \$84.
As arranged

HISTORY

101. **WESTERN CIVILIZATION I.** Introduction to the study of the modern world beginning with a survey of ancient civilization. Cr. 3. \$84.

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|---------------------------------|-----------------|
| a. M. W. F. 8:00-8:50 a.m. | Stewart |
| b. M. W. F. 9:05-9:55 a.m. | Erickson |
| c. M. W. F. 10:10-11:00 a.m. | Erickson |
| d. M. F. 11:15 a.m.-12:30 p.m. | Siney |
| e. T. Th. 9:30-10:45 a.m. | Stewart |
| f. T. Th. 11:00 a.m.-12:15 p.m. | Siney |
| g. T. Th. 1:00-2:15 p.m. | Becker |
| h. T. Th. 6:30-7:45 p.m. | Becker |
| j. M. W. 6:30-7:45 p.m. | Lakewood Cruden |

211. **HISTORY OF THE UNITED STATES I.** Survey of American civilization from the era of discovery to 1865. Cr. 3. \$84.

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|------------------------------|----------|
| a. M. W. F. 9:05-9:55 a.m. | Cramer |
| b. M. W. F. 10:10-11:00 a.m. | Wish |
| c. T. Th. 8:00-9:15 a.m. | Greene |
| d. T. Th. 9:30-10:45 a.m. | Greene |
| e. M. W. 6:30-7:45 p.m. | Thornton |

241. **HISTORY OF ENGLAND I.** General survey from the Anglo-Saxon conquest to the present. Special readings in constitutional history for pre-law students. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m. Barnes

304. **MEDIEVAL CIVILIZATION.** A survey of the social and intellectual history of the Middle Ages. Cr. 3. \$84.

M. W. 2:30-3:45 p.m. Becker

306. **THE REFORMATION.** Luther, Calvin and others; counter-reformation; Jesuits and Puritans; religious wars to 1648; development of the Modern State; commercial capitalism. Cr. 3. \$84.

M. W. 1:00-2:15 p.m. Erickson

309. **EUROPE SINCE 1914 I.** First World War; its settlement, political and economic problems, 1919-1939; second World War and its aftermath. Cr. 3. \$84.

M. W. F. 10:10-11:00 a.m. Siney

317. **THE FRENCH REVOLUTION, 1789-1799.** Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m. Stewart

348. **20TH CENTURY ENGLAND.** Problems that have confronted England since 1895 and of their influence on her internal, imperial, and foreign policies and on her culture. Cr. 3. \$84.

T. Th. 9:30-10:45 a.m. Barnes

361. **FOUNDING OF AMERICAN CIVILIZATION, 1492-1763, I.** Settlement of North America by Europeans; British colonial system; struggle for control of the continent; and beginning of the American nation. Cr. 3. \$84.

T. Th. 1:00-2:15 p.m. Greene

363. **REVOLUTIONARY AND EARLY NATIONAL PERIODS OF AMERICA, 1763-1829, I.** First Semester: Before 1800. Cr. 3. \$84.

T. Th. 2:30-3:45 p.m. Greene

379. **THE SOUTH IN AMERICAN HISTORY.** A regional view of southern politics; economics, and social-cultural life to the present day. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m. Wish

383. **AMERICAN SOCIAL AND INTELLECTUAL HISTORY I.** Interpretive survey of ideas, social changes, and esthetic developments from the 17th century to 1865. Cr. 3. \$84.

M. W. F. 9:05-9:55 a.m. Wish

395. **HISTORY OF SCIENCE I.** Philosophical, religious, social and intellectual factors determining the acquisition of scientific knowledge to 1600. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m. Miller

HOME ECONOMICS

101. **INTRODUCTION TO NUTRITION.** Bodily needs for various food constituents; factors influencing nutritive values of food, and relationship to other sciences. Cr. 3. \$84.

a. M. F. 11:15 a.m.-12:30 p.m. Vandervort

b. T. Th. 1:00-2:15 p.m. Fischer

c. M. W. F. 9:00-9:30 a.m. WEWS Fischer

Beginning September 21 (by Television and Home Study) Station WEWS, Channel 5

203. **MARKETING.** From the viewpoint of the consumer. The production, distribution, and sale of foods. Lectures, field trips and laboratories. Cr. 3. \$84.

T. Th. 9:30-10:45 a.m.

Vandervort

205. **THE SCIENCE AND ART OF COOKERY.** The principles of food preparation and the creative value of cookery. Not open to students with credit in Home Economics 207 and 208. Cr. 3. \$84.

M. F. 9:05-12:00 noon, W. 10:10-11:00 a.m.

Harvey

207. **PRINCIPLES OF FOOD PREPARATION I.** Preparation of foods in general use. Careful evaluation of finished products. Not open to students who have completed Home Economics 205. Cr. 2. \$56.

T. 6:30-9:30 p.m.

Harvey

215. **ELEMENTARY CLOTHING CONSTRUCTION.** Commercial patterns and their adaptation to individual needs. Construction of simple garments in cotton, rayon, and wool. Not open to students with credit in Home Economics 213. Cr. 2. \$56.

S. 9:00 a.m.-12:00 noon

Turobinski

216. **PATTERN DESIGN.** Construction of a basic pattern to serve as a basis for variations and as an aid in altering commercial patterns. Design and construction of a dress. Cr. 2. \$56.

M. 1:00-4:00 p.m.

Turobinski

240. **THE THEORY OF INTERIOR DESIGN.** Art principles in relation to interior design. Design problems involving color, texture, shapes and space in interiors. Cr. 3. \$84.

a. T. Th. 9:30-10:45 a.m.

Ball

b. M. W. 6:30-7:45 p.m.

Ball

303. **NORMAL NUTRITION I.** Chemical composition, metabolism, and physiological functions of foodstuffs. Energy, protein and mineral nutrition. Prereq.: Chemistry 221 and Biology 155. Cr. 3. \$84.

T. Th. 1:00-4:00 p.m.

Hunscher

309. **CHILD DEVELOPMENT AND HEALTH.** From prenatal to adult life. Physical development in the family environment. Cr. 3. \$84.

a. M. W. 2:30-3:45 p.m.

Hunscher

b. T. Th. 11:00 a.m.-12:15 p.m.

Kline

312. **INSTITUTIONAL FOOD PREPARATION.** Purchasing of food supplies for institutions; cost studies. Prereq.: Home Economics 206 or 210. Cr. 3. \$84.

M. 1:00-2:15 p.m. plus 2 mornings per week

Vandervort

317. **ADVANCED PROBLEMS IN CLOTHING.** Pattern adjustment, fitting, construction, and lining of a suit or coat. Prereq.: Home Economics 213 or 215 or equivalent. Cr. 3. \$84.

T. Th. 9:00-11:00 a.m.

Turobinski

320. **TEXTILES.** Fibers, constructions and finishes used in textile manufacture. Selection, use and care of fabrics. Tests for fiber identification. Cr. 3. \$84.

M. W. F. 10:10-11:00 a.m.

DeMelo

327. **PRINCIPLES AND METHODS OF TEACHING HOME ECONOMICS.** Preparation for teaching Home Economics in secondary schools. Prereq.: 24 hours of Home Economics and consent of Chairman. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m.

DeMelo

331. **FIELD WORK IN HOME ECONOMICS I.** Opportunities for observation and participation in welfare and public health agencies, interior design studios, department stores, and food administration departments are open to a limited number of senior students. Cr. 3. \$84.

As arranged

Staff

332. **FIELD WORK IN HOME ECONOMICS II.** Cr. 3. \$84.

As arranged

Staff

335. **TEXTILE PRINTING.** Design as applied to contemporary textiles through such processes as silk screen painting, block printing and dyeing. Cr. 2. \$56.

a. W. 1:00-4:00 p.m.

Turobinski

b. T. 6:30-9:30 p.m.

Turobinski

337. **WORKSHOP IN WEAVING.** Analysis of basic weaves, traditional and contemporary. Study of design, color and texture. Cr. 2. \$56.

a. Th. 1:00-4:00 p.m.

Turobinski

b. M. 6:30-9:30 p.m.

Turobinski

338. **WORKSHOP IN ADVANCED WEAVING.** Continued study of design in handweaving. Attention to special problems including those posed by contemporary interior architecture and design. Cr. 2. \$56.

a. Th. 1:00-4:00 p.m.

Turobinski

b. M. 6:30-9:30 p.m.

Turobinski

343. **PRESENTATION AND DELINEATION OF INTERIOR DESIGNS.** Cr. 3. \$84.

T. 1:00-2:15 p.m., Th. 1:00-4:00 p.m.

Ball

347. **PROFESSIONAL PRACTICE IN INTERIOR DESIGN.** Obligations, ethics, business. Field work and classroom study. Cr. 3. \$84.

M. W. F. 9:05-9:55 a.m.

Ball

HUMANITIES

302. **THE ARTS AND THEIR INTERRELATIONS.** Visual arts, literature, music, and theater, their relations to each other and to the cultural environment, and the psychology of artistic creation and appreciation. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m.

Evans

ITALIAN

101. ELEMENTARY ITALIAN I. Fundamentals of Italian grammar. Development of the ability to read, write, speak and understand simple Italian. Cr. 3. \$84.

a. M. W. 2:30-3:45 p.m.

Barricelli

b. M. W. 6:30-7:45 p.m.

Institute of Music

Barricelli

201. INTERMEDIATE ITALIAN I. Review and further study of grammar and idiomatic expressions, composition and conversation based upon representative types of Italian literature. Prereq.: Italian 102 or equivalent. Cr. 3. \$84.

a. M. W. 1:00-2:15 p.m.

Barricelli

b. T. Th. 6:30-7:45 p.m.

Barricelli

311. DANTE I. Prereq.: Italian 102 or equivalent. Cr. 3. \$84.

T. Th. 1:00-2:15 p.m.

Barricelli

JOURNALISM

200. WRITING THE NEWS I. News gathering; finding and recognizing the news. Copy editing. Cr. 3. \$84.

a. T. Th. 11:00 a.m.-12:15 p.m.

Rehor

b. M. W. 6:30-7:45 p.m.

Boardman

202. THE NEWSPAPER AND OTHER MASS MEDIA. Its history and relationship to periodicals, books, radio, television, motion pictures. Policies of editing in independent and chain newspapers. National and foreign news services. Cr. 3. \$84.

M. W. 1:00-2:15 p.m.

Thornton

300. SPECIALIZED WRITING. Long features for newspapers and magazines. Columns. Copy editing. Sources for development of ideas. Markets. Cr. 3. \$84.

T. Th. 6:30-7:45 p.m.

Utter

304. PUBLICITY METHODS. Instruction in judging materials, saving reporters' and photographers' time, preparation of releases and scripts, staging of newsworthy events. Problems of organization, scheduling and office procedures. Cr. 3. \$84.

M. W. 6:30-7:45 p.m.

Freeman

LATIN

101. ELEMENTARY LATIN I. Essentials of grammar and reading of elementary prose. Cr. 3. \$84.

M. W. F. 9:05-9:55 a.m.

Bliss

201. SECOND YEAR LATIN I. Cicero, *Orations*. Prereq.: Latin 101, 102 or 2 years of high school Latin. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m.

Walker

305. LITERARY TYPES I. Selections from Cicero, Catullus, Livy and Horace. Prereq.: Three or 4 years of high school Latin. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m.

Bliss

314. ROMAN DIDACTIC POETRY. Lucretius' *De Rerum Natura*. Prereq.: any 300 level Latin course or equivalent. Cr. 3. \$84.

T. Th. 2:30-3:45 p.m.

Bliss

MATHEMATICS

102. INTRODUCTION TO MATHEMATICS. Number systems, elementary set theory, finite and transfinite cardinals, functions, probability and statistics. Emphasis on ideas and concepts. Primarily for non-mathematics majors. Prereq.: One year each of algebra and geometry in high school or 2 years of algebra. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m.

O'Dell

103. TRIGONOMETRY. Relations existing among the 6 trigonometric functions for one angle and for two angles; the theory of logarithms. Prereq.: 1½ years of high school algebra. Cr. 3. \$84.

a. M. F. 11:15 a.m.-12:30 p.m.

O'Dell

b. M. F. 11:15 a.m.-12:30 p.m.

Hersh

c. T. Th. 9:30-10:45 a.m.

O'Dell

d. (Cancelled)

e. M. W. 6:30-7:45 p.m.

Hersh

109. ELEMENTARY ANALYSIS I. Progressions, induction and determinants; plane and solid analytic geometry; the derivative of the polynomial. Prereq.: 3½ or 4 years of high school mathematics including trigonometry. Not open to students with credit in Mathematics 104. Cr. 4. \$112.

a. M. W. Th. F. 8:00-8:50 a.m.

b. M. W. F. 9:05-9:55 a.m., Th. 1:00-1:50 p.m.

Hersh

(Architecture students should enroll in this section)

c. M. W. F. 10:10-11:00 a.m., T. 8:25-9:15 a.m.

Musselman

d. M. W. F. 10:10-11:00 a.m., Th. 8:25-9:15 a.m.

Leighton

e. T. Th. 6:00-7:45 p.m.

O'Dell

209. ELEMENTARY ANALYSIS III. The differential and integral calculus of transcendental functions; expansion of a function in series; partial derivatives and multiple integrals. Prereq.: Mathematics 110. Cr. 4. \$112.

a. M. W. F. 10:10-11:00 a.m., T. 1:00-1:50 p.m.

Shively

b. (Cancelled)

305. **THIRD SEMESTER CALCULUS.** Partial derivatives and multiple integrals, with application to three-dimensional geometry; infinite series and expansion of functions into power series. Prereq.: Mathematics 204. Cr. 3. \$84.

M. W. 8:00-9:15 p.m.

Hersh

306. **DIFFERENTIAL EQUATIONS.** The simpler types of differential equations, with applications to geometry, mechanics and physics. Prereq.: Mathematics 204 or 210. Cr. 3. \$84.

M. W. F. 9:05-9:55 a.m.

Musselman

312. **PROJECTIVE GEOMETRY.** Geometric configurations left unaltered by projections. Prereq.: Mathematics 204 or 210. Cr. 3. \$84.

T. Th. 5:00-6:15 p.m.

Musselman

317. **INTRODUCTION TO MODERN ALGEBRA.** Group theory, rings, fields, vector spaces. Prereq.: Mathematics 204 or 210. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m.

Musselman

MEDICAL TECHNOLOGY

212. **TECHNICIAN TRAINING II.** Prereq.: 60 semester hours of prescribed courses. Cr. 10. \$280.

As arranged

MUSIC

001. **CLASS PIANO: Introduction to the Keyboard.** For non-music majors. Required for majors in Elementary Education unless exempted by examination. Cr. 0. \$28.

a. W. 9:05-9:55 a.m.

Heller

b. F. 11:15 a.m.-12:05 p.m.

Heller

c. M. 6:30-7:20 p.m.

Heller

101. **THEORY I.** Intervals, scales, rhythmic drill, sight singing, ear training, keyboard work, and harmony through inversions of triads and seventh chords. Cr. 3. \$84.

M. W. F. 9:05-9:55 a.m.

Garnett

Practice session: M. W. F. 8:00-8:50 a.m.

141. **BRASS INSTRUMENTS I.** Development of knowledge and skills necessary for elementary performance. Techniques and materials for effective class teaching. Participation required in University performing group as advised. Cr. 1. \$28.

T. Th. 9:30-10:45 a.m.

Best

143. **STRING INSTRUMENTS I.** Techniques and materials for effective class teaching. Participation required in University performing group as advised. Cr. 1. \$28.

M. W. 10:10-11:00 a.m.

Kilinski

145. **WOODWIND INSTRUMENTS I.** Techniques and materials for effective class teaching. Participation required in University performing group as advised. Cr. 1. \$28.

T. Th. 11:00 a.m.-12:15 p.m.

Best

147. **VOCAL CLASS METHODS.** Instruction in class methods of teaching voice. Cr. 1. \$28.

M. F. 11:15 a.m.-12:30 p.m.

Garnett

203. **THEORY III.** Intermediate and advanced harmony through modulation and chromatic chords. Correlative sight singing, ear training and keyboard work. Prereq.: Music 102 or equivalent. Cr. 3. \$84.

M. W. F. 9:05-9:55 a.m.

Gee

Practice session: T. Th. 8:00-9:15 a.m.

213-3. **APPRECIATION I: Introduction to Music.** Study of melody, harmony, rhythm and tone color. Chief musical forms and selected masterpieces. Prescribed reading and listening. Cr. 3. \$84.

a. M. W. F. 10:10-11:00 a.m.

Gee

b. M. W. 1:00-2:15 p.m.

Klauss

c. T. Th. 9:30-10:45 a.m.

Blodgett

d. T. Th. 2:30-3:45 p.m.

Blodgett

213-2. **APPRECIATION I: Introduction to Music.** Cr. 2. \$56.

e. W. 8:00-9:45 p.m.

Kilinski

215. **APPRECIATION III: The Literature of the Symphony.** Analysis and discussion of essential details, form, style, instrumentation. Prereq.: Music 213. Cr. 3. \$84.

T. Th. 1:00-2:15 p.m.

Blodgett

250. **CONDUCTING AND SCHOOL MUSIC LITERATURE I.** Choral and instrumental materials for use in junior and high schools. Observation of University groups required. Cr. 2. \$56.

M. F. 11:15 a.m.-12:30 p.m.

Kilinski

255. **MUSIC IN THE ELEMENTARY SCHOOL I.** Sight-reading, ear-training, eurythmics, dictation listening, singing, keyboard and song-flute playing. Not open to music majors. Cr. 3. \$84.

M. W. 1:00-2:15 p.m.

Garnett

307. COMPOSITION IN SMALL FORMS I. Theoretical and creative work. Dance and homophonic forms generally. Writing for various instruments. Vocal writing; the setting of various texts. Prereq.: Music 303. Cr. 3. \$84.
M. W. 1:00-2:15 p.m. Institute of Music Dick

311. ORCHESTRATION. Ranges and technical characteristics of orchestral and band instruments; music arrangements; scoring of accompaniments for given solos. Prereq.: Music 204. Cr. 3. \$84.
T. Th. 1:00-2:15 p.m. Kilinski

321. HISTORY OF MUSIC I. Developments from early times to the present, especially great periods and composers. Reference to life and thought. Illustrated lectures; style analysis. Prescribed listening and reading. Cr. 3. \$84.
T. Th. 2:30-3:45 p.m. Evans

357. MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOL. Classroom methods, theory, listening, testing, community music, public relations. Observation of music classes in schools of greater Cleveland. Cr. 3. \$84.
M. W. 2:30-3:45 p.m. Best

APPLIED MUSIC

Membership in the University Band, Choir, Singers or Orchestra is available to part-time students. Contact the Department of Music for information.

333. UNIVERSITY BAND. With or without credit. Cr. 1. \$28.
W. 7:00-9:00 p.m., F. 4:00-6:00 p.m. Best

335. UNIVERSITY CHOIR. Membership by try-out. With or without credit. Prereq.: Consent of instructor. Cr. 1. \$28.
T. Th. 4:00-5:15 p.m. Blodgett

337. UNIVERSITY SINGERS. Small group devoted to madrigal singing. Prereq.: Consent of instructor. With or without credit. Cr. 1. \$28.
M. W. 4:00-5:15 p.m. Garnett

339. UNIVERSITY ORCHESTRA. Open to advanced instrumentalists. With or without credit. Prereq.: Consent of instructor. Cr. 1. \$28.
M. 7:30-9:30 p.m. Kilinski

INDIVIDUAL INSTRUCTION IN APPLIED MUSIC

Vocal and instrumental subjects are taught by visiting instructors from the Cleveland Orchestra, and by faculty members of the University's Department of Music.

For information as to complete list of instructors and subjects, credit, fees, and practice facilities, see Western Reserve University Winter Session Roster of Courses, or confer with the Department of Music, 11039 Bellflower Road.

PHILOSOPHY

101. INTRODUCTION TO PHILOSOPHY. Basic problems of philosophy as found in politics, science, morality, religion, and art. Cr. 3. \$84.
a. M. W. F. 9:05-9:55 a.m. McLellan
b. M. W. 1:00-2:15 p.m. Kadish
c. T. Th. 9:30-10:45 a.m. Levi
d. T. Th. 6:30-7:45 p.m. Kadish

201. INTRODUCTION TO LOGIC. Principles which determine whether or not conclusions follow necessarily from the evidence offered for them. Applications. Cr. 3. \$84.
a. M. W. F. 8:00-8:50 a.m. Levi
b. M. W. F. 10:10-11:00 a.m. McLellan
c. M. W. 6:30-7:45 p.m. McLellan

202. INTRODUCTION TO SCIENTIFIC METHOD. Characteristics of modern science and evidence which determines the probability of conclusions. Prereq.: Philosophy 201 or consent of instructor. Cr. 3. \$84.
M. F. 11:15 a.m.-12:30 p.m. Levi

301. ANCIENT AND MEDIEVAL PHILOSOPHY. Western philosophy from the early Greeks to St. Thomas Aquinas. Emphasis on Plato, Aristotle, Epicureans, Stoics and St. Augustine. Cr. 3. \$84.
T. Th. 11:00 a.m.-12:15 p.m. Kadish

350. INTERPRETATIONS OF HISTORY. Nature, function and meaning of human history. Examination of social process and historical inquiry; writings of philosophers and historians. Prereq.: History major or one previous course in philosophy. Cr. 3. \$84.
T. Th. 1:00-2:15 p.m. Kadish

380. METAPHYSICS. Perennial philosophical questions; problem of universals, causality, the external world, relation of mind and matter. Prereq.: one previous philosophy course. Cr. 3. \$84.
M. W. 1:00-2:15 p.m. Levi

PHYSICAL EDUCATION

101, 102, 203, 204. (Men) **ACTIVITIES FOR FRESHMAN AND SOPHOMORE YEARS.** Cr. 0. Adelbert Gym. Swimming classes at Case Institute Pool. Staff.

- a. M. W. F. 9:05-9:55 a.m.
- b. M. W. F. 10:10-11:00 a.m.
- c. M. F. 11:15 a.m.-12:30 p.m.
- d. M. W. 2:30-3:45 p.m.
- e. T. Th. 9:30-10:45 a.m.
- f. T. Th. 11:00 a.m.-12:15 p.m.
- g. T. Th. 2:30-3:45 p.m. Fencing only
- h. T. Th. 4:00-5:15 p.m. Fencing only
- j. T. 7:30-9:30 p.m. Judo only
- k. W. 7:30-9:30 p.m. Judo only
- m. M. 2:30-4:00 p.m. Beginning and Intermediate Swimming
Prereq.: Physical Education 101
- n. T. 2:30-4:00 p.m. Beginning and Intermediate Swimming
Prereq.: Physical Education 101
- p. Th. 2:30-4:00 p.m. Life Saving
Prereq.: Physical Education 101
- r. F. 2:30-4:00 p.m. Beginning and Intermediate Swimming
Prereq.: Physical Education 101

101, 102, 203, 204 (Women) **ACTIVITIES FOR FRESHMAN AND SOPHOMORE YEARS.** Cr. 0.

As arranged

Staff

155. **ELEMENTARY PHYSIOLOGY.** See Biology 155.

205, 206. (Men) **ADVANCED ACTIVITIES FOR JUNIOR AND SENIOR YEARS.** For Physical Education majors. Cr. 1, 1. \$28, \$28.

As arranged

Lewis

205, 206. (Women) **ADVANCED ACTIVITIES FOR JUNIOR AND SENIOR YEARS.** For Physical Education majors. Cr. 1, 1. \$28, \$28.

As arranged

Staff

225. (Men) **TEACHING OF APPARATUS AND TUMBLING STUNTS.** Cr. 2. \$56.

T. Th. 1:00-2:40 p.m.

Grueninger

309. **CHILD DEVELOPMENT AND HEALTH.** See Home Economics 309.

311. (Women) **HISTORY AND PRINCIPLES OF SPORTS I.** Methods of teaching and officiating in team games and individual sports. Analysis of skills, technique, history, rules, and teaching progression. Cr. 3. \$84.

M. 2:30-4:20 p.m. plus

2 laboratory hours as arranged

Russell

316. (Women) **THE DANCE IN PHYSICAL EDUCATION.** History and philosophy. Analysis of fundamental rhythms; modern, folk and square dancing. Adaptation to various age groups. Cr. 2. \$56.

W. 1:00-2:15 p.m.

Karipides

317. (Women) **TEACHING OF GYMNASTICS.** Analysis of exercises, their effect, execution, presentation, and progression. Cr. 2. \$56.

As arranged

Staff

318. (Women) **PRINCIPLES OF PHYSICAL EDUCATION.** Influence of historic events and the nature of youth with respect to program development and the evaluation of outcomes in physical education. Cr. 2. \$56.

T. 1:00-2:40 p.m.

Smith

319. (Women) **METHODS OF TEACHING PHYSICAL EDUCATION.** Theory and practice in teaching and officiating in team games, individual sports and development activities. Cr. 2. \$56.

As arranged

Staff

321. (Men) **ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION.** Cr. 2. \$56.

W. 1:00-2:50 p.m.

332. **CARE AND PREVENTION OF INJURIES AND ATHLETIC TRAINING.** Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m.

Grueninger, Finnigan

335. **PRINCIPLES OF HEALTH EDUCATION.** School and public health education, health examinations, protective measures, health of the school environment, the health committee and personnel. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m.

Finnigan

345. (Men) **METHODS OF TEACHING GYMNASTIC DRILLS.** Teaching of calisthenics, with and without hand apparatus, marching tactics, mimetics and mass combatives. 2 laboratory-demonstration hours and 3 hours practice teaching. Cr. 2. \$56.

M. 1:00-2:40 p.m.

Grueninger

PHYSICS

103. INTRODUCTORY PHYSICS I. Physical principles and their applications, with particular emphasis on atomic and nuclear physics. Prereq.: Mathematics 103 or 3½ years high school mathematics including trigonometry. Cr. 4. \$112.

a. M. W. F. 8:00-8:50 a.m. plus lab Weinberg, Zilsel, Major
b. T. Th. 6:30-7:45 p.m. plus lab Weinberg, Zilsel, Major

Laboratory: 1. M. 1:00-3:50 p.m., or
2. T. 1:00-3:50 p.m., or
3. W. 1:00-3:50 p.m., or
4. Th. 1:00-3:50 p.m., or
5. F. 1:00-3:50 p.m., or
6. Th. 8:00-10:50 p.m.

203. INTERMEDIATE PHYSICS I. Mechanics, wave motion, sound, heat, thermodynamics, light, electricity and magnetism, using calculus. Prereq.: Mathematics 110 or 204. Cr. 4. \$112.

a. M. W. F. 8:00-8:50 a.m. plus lab Nixon, White
(Architecture students only)

b. M. F. 11:15 a.m.-12:05 p.m., T. 2:30-3:20 p.m. plus lab Nixon, White

Laboratory: 1. M. 1:00-3:50 p.m., or
2. W. 1:00-3:50 p.m., or
3. Th. 1:00-3:50 p.m., or
4. F. 1:00-3:50 p.m.

321. CLASSICAL MECHANICS. Statics and dynamics of particles and rigid bodies, using vector analysis. Prereq.: Physics 204 and Mathematics 204 or 210, or equivalent. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m. Kisslinger

351. ELECTROMAGNETISM I. Electrostatics, electrodynamics, electromagnetism, direct and alternating currents, electrical measurements, circuit theory, Maxwell's equations and electromagnetic radiation, using vector analysis. Cr. 4. \$112.

M. W. F. 9:05-9:55 a.m. plus Nixon, Robinson

Laboratory: 1. M. 1:00-3:50 p.m., or
2. T. 1:00-3:50 p.m.

354. WAVE THEORY. Transmission, reflection, refraction, interference, and polarization of waves, solutions of wave equation and boundary value problems, with applications to acoustics, physical optics, and electromagnetic radiation. Cr. 3. \$84.

T. Th. 9:30-10:45 a.m. Weinberg

361. ATOMIC, NUCLEAR AND SOLID STATE PHYSICS I. Black body radiation, special relativity, atomic structure and spectra, x-rays, crystal, molecular and nuclear structure, quantum properties of solids, radioactivity, nuclear forces, fission, fusion and cosmic rays. Cr. 4. \$112.

M. W. F. 10:10-11:00 a.m. plus Robinson

Laboratory: 1. W. 1:00-3:50 p.m. or

2. Th. 1:00-3:50 p.m.

391. SPECIAL PROBLEMS. Theoretical or experimental research problems for qualified seniors. Prereq.: Physics 321, 352 and permission of instructor. Cr. 3. \$84.

As arranged Major

POLITICAL SCIENCE

101. INTRODUCTION TO GOVERNMENT I. Analysis of concepts of power, distribution of authority, separation of powers, role of the people, and functions and services of American government. Cr. 3. \$84.

a. M. W. F. 9:05-9:55 a.m. Hotz

b. M. W. F. 10:10-11:00 a.m. Rackow

c. M. W. 1:00-2:15 p.m. Rackow

d. T. Th. 8:00-9:15 a.m. Secher

e. T. Th. 6:30-7:45 p.m. Secher

f. M. W. 6:30-7:45 p.m. Lakewood Levine

g. T. Th. S. 9:00-9:30 a.m. WEWS Rackow

Beginning September 22 (By Television and Home Study) Station WEWS, Channel 5

215. THE STRUGGLE FOR POWER. Study of the *dramatis personae* of politics—organized interests, group leaders, opinion makers, public officials, unorganized masses; their characteristics, activities, objectives, weapons and tactics. Cr. 3. \$84.

T. Th. 1:00-2:15 p.m. Dodge

301. PRINCIPLES OF INTERNATIONAL POLITICS. Development of the sovereign state system; geographic, demographic, economic and ideological factors. Procedures for resolving the power struggle. Prereq.: Senior standing or major in one of the social sciences. Cr. 3. \$84.

M. W. F. 10:10-11:00 a.m. Hotz

324. INTERNATIONAL ORGANIZATION. Evolutionary development and present operation of institutions including the League of Nations, the United Nations and specialized agencies. The philosophic assumptions and sociological factors within the prevailing struggle for power. Cr. 3. \$84.

T. Th. 9:30-10:45 a.m. Hotz

325. **AMERICAN CONSTITUTIONAL LAW.** Court cases covering judicial review; federalism; relations between the President and Congress; tax, spend and commerce powers; treaty and war powers. Cr. 3. \$84.

M. W. F. 9:05-9:55 a.m.

Rackow

331. **A SURVEY OF POLITICAL THOUGHT I.** Problems of political theory through reading and discussion of outstanding works of political doctrine. Cr. 3. \$84.

M. W. F. 8:00-8:50 a.m.

Secher

369. **GOVERNMENT AND POLITICS OF THE SOVIET UNION.** Soviet society and its background; the Soviet concept of the state; the role of the Communist party; the administration of a planned society; the Soviet Union in international affairs. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m.

Secher

PSYCHOLOGY

(Psychology 101 is prerequisite to all other Courses)

101. **GENERAL PSYCHOLOGY.** Scientific study of behavior. Heredity and environment; the process of perception, learning, motivation, emotion, and thinking; personal and social adjustment. Cr. 3. \$84.

a. M. W. F. 10:10-11:00 a.m.

Bruell

b. T. Th. 8:00-9:15 a.m.

Norcross

c. T. Th. 11:00 a.m.-12:15 p.m.

Herzberg

d. **M. W. 8:00-9:15 p.m.**

Alvarez

e. T. Th. 6:30-7:45 p.m.

M. Weiss

f. **M. W. 6:30-7:45 p.m.**

Lakewood

E. Weiss

213. **PSYCHOLOGY OF PERSONALITY.** Theories of personality, and methods for assessing the person. Problems of personal adjustment. Cr. 3. \$84.

a. M. F. 11:15 a.m.-12:30 p.m.

Miles

b. T. Th. 11:00 a.m.-12:15 p.m.

Hertz

c. T. Th. 6:30-7:45 p.m.

McConihe

d. **M. W. 8:00-9:15 p.m.**

Lakewood

E. Weiss

215. **SOCIAL PSYCHOLOGY.** Social, cultural influences and pressures. Dynamics of small groups, leadership, causes of minority and other social problems. Cr. 3. \$84.

M. W. F. 8:00-8:50 a.m.

Horowitz

219. **ELEMENTARY STATISTICS.** See Statistics 219.

230. **PSYCHOLOGY OF CHILDHOOD AND ADOLESCENCE.** Basic facts and principles of psychological development from prenatal period through adolescence. Cr. 3. \$84.

a. M. W. 1:00-2:15 p.m.

Norcross

b. **M. W. 6:30-7:45 p.m.**

Norcross

304. **EDUCATIONAL PSYCHOLOGY.** See Education 304.

321. **ABNORMAL PSYCHOLOGY.** Major neurotic and psychotic patterns of personality adjustment and their principal symptoms, dynamics, etiology, and treatment. Cr. 3. \$84.

a. M. W. F. 8:00-8:50 a.m.

Albee

b. T. Th. 9:30-10:45 a.m.

Miles

c. T. Th. 8:00-9:15 p.m.

Ishiyama

331. **CHILD MANAGEMENT I.** Introduction to the behavior of infants and preschool children and to the management of ordinary and special problems in these age groups. Cr. 2. \$56.

M. 4:30-6:15 p.m.

Spock, Kessler

333. **PRACTICUM IN CHILD MANAGEMENT.** Supervised work in a residential center for emotionally disturbed children. Prereq.: Consent of instructor, and concurrent registration in Psychology 331. Limited to 20 students. Cr. 3. \$84.

As arranged

Spock

351. **COMPARATIVE PSYCHOLOGY.** Facts and principles of behavior, derived from experimental work with animals, with emphasis upon learning, motivation, emotion and temperament. Cr. 3. \$84.

M. W. F. 10:10-11:00 a.m.

Gluck

352. **PHYSIOLOGICAL PSYCHOLOGY.** The nervous system, endocrine glands, the receptor and effector mechanisms as they influence behavior and personality. Cr. 3. \$84.

a. M. W. F. 9:05-9:55 a.m.

Doty

b. **M. W. 6:30-7:45 p.m.**

Doty

359. **INDUSTRIAL PSYCHOLOGY.** The findings of job attitude studies, principles of supervision, and problems of personal adjustment of people to jobs. Cr. 3. \$84.

T. Th. 9:30-10:45 a.m.

Herzberg

390. **SEMINAR IN PSYCHOLOGY.** Major problems in psychology with emphasis on theory. Readings in psychological literature and preparation of papers required. For students majoring or minoring in psychology. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m.

Doty

READING IMPROVEMENT SERVICE

001. **READING IMPROVEMENT.** Cr. 0. \$42.

- a. T. Th. 9:30-10:20 a.m.
- b. T. 6:00-7:45 p.m.

002. **READING IMPROVEMENT.** Prereq.: Successful completion of Reading Improvement 001, or evidence of advanced skill given on pre-test before registration. Cr. 0. \$42.

- Th. 6:00-7:45 p.m.

003. **READING LABORATORY.** Cr. 0. \$56.

As arranged

McConihe

RELIGION

201. **THE ENGLISH BIBLE: The Old Testament.** Introduction to the understanding and appreciation of the Old Testament as a classic of religion, history and literature. Cr. 3. \$84.

- a. M. W. F. 8:00-8:50 a.m.
- b. T. Th. 9:30-10:45 a.m.

Wolfe
Rigg

202. **THE ENGLISH BIBLE: The New Testament.** Introduction to the understanding and appreciation of the New Testament as a classic of religion, history and literature. Cr. 3. \$84.

- M. W. F. 9:05-9:55 a.m.

Wolfe

215. **THE TEACHINGS OF JESUS.** Their impact upon standards of conduct and belief in His times, and their implications for modern life. Cr. 3. \$84.

- M. F. 11:15 a.m.-12:30 p.m.

Wolfe

303. **AN INTRODUCTION TO THE HISTORY OF RELIGION I.** Origins and growth of the religions of primitive men; study of classical periods of major historical religions such as Buddhism, Judaism, Christianity and Islam. Cr. 3. \$84.

- T. Th. 11:00 a.m.-12:15 p.m.

Rigg

383. **MAGIC, THE DEVIL AND WITCHCRAFT.** Nature and functions of magic in the history of man; witch cult in Europe as an example of the belief in and the acceptance of magic in practice. Cr. 3. \$84.

- M. W. 1:00-2:15 p.m.

Rigg

RUSSIAN

101. **ELEMENTARY RUSSIAN I.** Introduction to the basic structure of Russian with special emphasis on oral mastery of the language through automatic speech patterns. Cr. 3. \$84.

- M. W. F. 9:05-9:55 a.m.

Bartelmez

201. **SECOND YEAR RUSSIAN I.** Grammar review, conversational practice and composition based on readings from Russian authors. Scientific texts for those majoring in science. Prereq.: Russian 102. Cr. 3. \$84.

- M. W. 6:30-7:45 p.m.

Lindstrom

301. **INTRODUCTION TO RUSSIAN CLASSICAL LITERATURE.** Literary monuments from earliest times through 18th century. Emphasis in 19th century on Pushkin, Lermontov, Gogol, Goncharov, Turgenev, Tolstoy, Dostoevsky and Gorki. Prereq.: Russian 202. Cr. 3. \$84.

- M. W. 1:00-2:15 p.m.

Lindstrom

SOCIOLOGY

112. **PRINCIPLES OF SOCIOLOGY.** Science of society. Groups and classes, social psychology, laws of population; marriage, family, church, state; folkways and mores. Cr. 3. \$84.

- a. M. W. F. 9:05-9:55 a.m.
- b. M. F. 11:15 a.m.-12:30 p.m.
- c. T. Th. 11:00 a.m.-12:15 p.m.
- d. T. Th. 1:00-2:15 p.m.
- e. T. Th. 6:30-7:45 p.m.
- f. M. W. 8:00-9:15 p.m.

Puckett
Rautenstrauch
Lawrence
Neuer
Caplan
Vande Visse

Lakewood

201. **SOCIAL PATHOLOGY.** Dependent and handicapped groups, social provisions for their care. Prereq.: Sociology 112. Cr. 3. \$84.

- T. Th. 9:30-10:45 a.m. plus
- Monday or Wednesday afternoon field trips

Neuer

202. **CRIME AND DELINQUENCY.** Nature, causes and extent of crime. Cr. 3. \$84.

- M. W. F. 8:00-8:50 a.m.

Neuer

203. **URBAN SOCIOLOGY.** Urban rise and growth, redistribution of population and institutions, institutions for public welfare, demographic and ethnic factors of population, housing and city planning. Cr. 3. \$84.

- M. W. F. 10:10-11:00 a.m. plus
- Tuesday or Thursday afternoon field trips

Caplan

205. **THE AMERICAN NEGRO.** Economic, religious, educational, political problems; prejudice, crime and delinquency; trends and proposed solutions. Cr. 3. \$84.

- M. F. 11:15 a.m.-12:30 p.m.

Puckett

210. **PUBLIC OPINION.** Place of newspapers, T.V., radio, screen, stage, school interest groups; opinion control in dictatorships, democracies and during war time. Cr. 3. \$84.

- M. W. 6:30-7:45 p.m.

Busch

212. **AMERICAN SOCIETY.** Essential features of American social heritage; contributions of folk groups; sociological significance of local color. Cr. 3. \$84.
T. Th. 8:00-9:15 p.m. Puckett

219. **ELEMENTARY STATISTICS.** See Statistics 219.

301. **CULTURAL ANTHROPOLOGY.** Human relations among primitive peoples. Functional and diffusionist theories. Prereq.: Sociology 101 or 112. Cr. 3. \$84.

a. T. Th. 8:00-9:15 a.m. Lawrence
b. **M. W. 6:30-7:45 p.m.** Lakewood Vande Visse

305. **SOCIETY AND MENTAL HEALTH.** Psychiatric and mental health services in public health, social work, education, industry, family life. Prereq.: Sociology 112 and Psychology 213 or 321. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m. Jaco

307. **MODERN SOCIAL MOVEMENTS.** Causes, types and processes of social unrest. Nationalism, agrarianism, labor and cooperative movements. Cr. 3. \$84.
T. Th. 9:30-10:45 a.m. Busch

308. **MARRIAGE AND THE FAMILY.** Varying marriage and family customs. Present day marriage and family in this country; status of women; modern problems of the family. Cr. 3. \$84.

M. W. 8:00-9:15 p.m. Busch

312. **THE SOCIAL INSTITUTIONS OF RELIGION.** Religion as a social phenomenon; manifestations of "other-worldliness" in cultural life; rites, ceremonies, observances. Cr. 3. \$84.

T. Th. 1:00-2:15 p.m. Lawrence

349. **SOCIAL STRATIFICATION.** Changing forms and patterns; theories of class formation; influence of class position upon life habits. Implications for research and social policy. Cr. 3. \$84.

T. Th. 2:30-3:45 p.m. Neuer

351. **RESEARCH METHODS IN THE SOCIAL SCIENCES.** Selection and formulation of research problems, research design, problems of measurement, construction of instruments, collection of data, analysis and interpretation. Cr. 3. \$84.

M. W. 2:30-3:45 p.m. Sussman

SPANISH

101. **ELEMENTARY SPANISH I.** Fundamentals of Spanish grammar. Development of the ability to read, write, speak and understand simple Spanish. Cr. 3. \$84.

a. **M. W. F. 10:10-11:00 a.m.** Nackos
b. **M. W. 1:00-2:15 p.m.** Falconieri
c. T. Th. 11:00 a.m.-12:15 p.m. Nackos
d. **M. W. 8:00-9:15 p.m.** Pieri

201. **INTERMEDIATE SPANISH I.** Review and further study of grammar and idiomatic expressions; composition and conversation based upon Spanish literature. Prereq.: Spanish 102 or 2 years of high school Spanish. Cr. 3. \$84.

a. **M. W. F. 10:10-11:00 a.m.** Valle
b. **M. W. 1:00-2:15 p.m.** Soria
c. T. Th. 9:30-10:45 a.m.
d. T. Th. 1:00-2:15 p.m. Valle
e. **M. W. 6:30-7:45 p.m.** Soria

211. **INTRODUCTION TO SPANISH LITERATURE I.** Landmarks with stress on the golden age and the 19th and 20th centuries. Those not preparing to teach may do all their collateral reading in the modern period. Prereq.: Spanish 202 or equivalent. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m. Valle

301. **ADVANCED ORAL PRACTICE.** Development of fluency in speaking Spanish. Emphasis on correct sentence construction and on accuracy in the use of idiomatic vocabulary. Prereq.: Spanish 202 or equivalent. Cr. 3. \$84.

a. **M. W. 2:30-3:45 p.m.** Valle
b. **M. W. 6:30-7:45 p.m.** Valle

341. **SPANISH AMERICAN LITERATURE I.** The Modernista movement. Prereq.: Spanish 211, 212. Cr. 3. \$84.

T. Th. 1:00-2:15 p.m.

SPEECH

103. **PUBLIC SPEAKING.** Principles essential to the effective expression of ideas in everyday personal relationships as well as before audiences. Cr. 3. \$84.

a. **M. W. F. 9:05-9:55 a.m.** Dye
b. **M. W. F. 10:10-11:00 a.m.** Kuhl
c. **M. F. 11:15 a.m.-12:30 p.m.** Guthrie
d. **M. W. 1:00-2:15 p.m.** Henderlinder
e. T. Th. 8:00-9:15 a.m. Ford
f. T. Th. 9:30-10:45 a.m. Stewart
g. T. Th. 11:00 a.m.-12:15 p.m. Henderlinder
h. **M. W. 6:30-7:45 p.m.** Dye
j. **M. W. 8:00-9:15 p.m.** Ford

107. **VOICE AND DICTION.** The scientific basis of speech and voice production. Effective habits in the use of voice. Group and individual exercise. Cr. 3. \$84.
 a. M. W. F. 10:10-11:00 a.m. Stewart
 b. M. F. 11:15 a.m.-12:30 p.m. Kuhl
 c. T. Th. 9:30-10:45 a.m. Dye
 d. T. Th. 11:00 a.m.-12:15 p.m.
 e. T. Th. 1:00-2:15 p.m.
 f. **T. Th. 8:00-9:15 p.m.**

202. **GROUP DISCUSSION.** Group thinking designed to develop skill in the orderly, agreeable, open-minded exchange of ideas. Group experience and practice in the leadership of a discussion group. Cr. 3. \$84.
 a. T. Th. 9:30-10:45 a.m. Henderlinder
 b. T. Th. 1:00-2:15 p.m. Dye

204. **PERSUASION.** Influencing individuals and audiences by means of written and spoken appeals; psychological principles important in controlling belief and behavior. Lectures, collateral reading, and class speeches. Cr. 3. \$84.
 T. Th. 11:00 a.m.-12:15 p.m. Kuhl

210. **INTRODUCTION TO BROADCASTING.** Radio and television; technical aspects; governmental control, programs and program development. Cr. 3. \$84.
 T. Th. 11:00 a.m.-12:15 p.m. Stewart

308. **INTRODUCTION TO SPEECH CORRECTION.** Common types of speech problems; speech therapy procedures; observation in the Cleveland Hearing and Speech Center. Cr. 3. \$84.
 T. Th. 11:00 a.m.-12:15 p.m. Ptacek

309. **RADIO AND TELEVISION PROGRAM POLICY.** Prereq.: Speech 210 or equivalent. Cr. 3. \$84.
 M. W. 4:00-5:15 p.m. Stewart

311. **ARGUMENTATION I.** Principles involved in the orderly, logical solution of problems. Laws of reasoning and specimens of common errors in reasoning process. Causes, effects and remedies of prejudice. Cr. 3. \$84.
 M. W. F. 10:10-11:00 a.m. Guthrie

323. **CLINICAL PRACTICE IN SPEECH CORRECTION.** Study of therapeutic methodology with observation and supervised participation in the Cleveland Hearing and Speech Center. Prereq.: Speech 308 and 321. Cr. 3. \$84.
 F. 11:00 a.m.-12:15 p.m. plus Neidecker
 Laboratory: 1. T. Th. 10:00-11:00 a.m.
 2. T. Th. 2:00-3:00 p.m.

325. **ORGANIZATION AND ADMINISTRATION OF PUBLIC SCHOOL SPEECH AND HEARING PROGRAMS.** Discussion and observation with consideration of the operation of such programs and their coordination with other school activities. Cr. 3. \$84.
 M. W. 9:30-10:45 a.m. plus Neidecker
 required observation

341. **CONTEMPORARY PUBLIC ADDRESS.** Techniques and skills of speakers; emphasis on audience analysis and forms of persuasion and support. Cr. 3. \$84.
 M. W. 2:30-3:45 p.m. Guthrie

344. **TEACHING OF SPEECH.** Attention to problems of stage fright and habit, to materials suitable for junior and high schools, and to the philosophy of speech education. Cr. 3. \$84.
 M. W. 2:30-3:45 p.m. Henderlinder

351. **PUBLIC DISCUSSION AND DEBATE.** Only for advanced students in the group from which are selected the speakers for the public "Forum" debates and discussions and the members of the intercollegiate debate teams. Cr. 3. \$84.
 Th. 1:00-4:00 p.m. Kuhl

366. **INTRODUCTION TO AUDIOLOGY.** Psycho-acoustics and basic anatomy and physiology which apply to audiology; hearing impairment and its social and educational consequences; hearing conservation. Cr. 3. \$84.
 T. Th. 1:00-2:15 p.m. Staff

370. **ORIENTATION IN LANGUAGE DEVELOPMENT FOR CHILDREN WITH HEARING IMPAIRMENTS.** Philosophy of teaching children with hearing impairments, techniques for teaching language arts on the primary level. Cr. 3. \$84.
 M. W. 4:00-5:15 p.m. Bender

LIBRARY SCIENCE

572. **MACHINE LITERATURE SEARCHING: Basic Principles.** Review of recently developed methods and equipment for analyzing, storing, correlating and retrieving recorded information. Punched card systems and more flexible systems now being designed and developed, surveyed in terms of parameters of scientific, business and other applications. Emphasis placed on coordinating of new techniques with conventional indexing and classifying methods. Demonstration of various systems, coding techniques. Prereq.: Consent of instructor. Cr. 3. \$84.
 W. 7:00-8:50 p.m. Perry

BUSINESS ADMINISTRATION

An asterisk (*) before the course number indicates courses giving credit toward the degree of Master of Business Administration. Graduate credit will be granted only to students who have been admitted to the Graduate Division of the School of Business.

ACCOUNTING

103. **INTRODUCTORY ACCOUNTING I.** Business organizations; sources of business assets and their uses; analyzing, classifying and recording transactions, adjusting and closing books; financial statements. Cr. 3. \$84.

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|---------------------------------|---------|
| a. M. W. F. 8:00-8:50 a.m. | Kopy |
| b. T. Th. 9:30-10:45 a.m. | Braden |
| c. T. Th. 11:00 a.m.-12:15 p.m. | Braden |
| d. M. W. 8:00-9:15 p.m. | Tucker |
| e. T. Th. 6:30-7:45 p.m. | Alpern |
| f. M. W. 8:00-9:15 p.m. | Jancura |

Lakewood

104. **INTRODUCTORY ACCOUNTING II.** A continuation of Accounting 103 which is a prerequisite. Cr. 3. \$84.

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| a. M. W. F. 9:05-9:55 a.m. | Clinkenbeard |
| b. T. Th. 6:30-7:45 p.m. | Kopy |
| c. M. W. 6:30-7:45 p.m. | Box |

Lakewood

203. **INTERMEDIATE ACCOUNTING I.** Evaluation and presentation of items which appear on balance sheets. Prereq.: Accounting 104. Cr. 3. \$84.

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| a. M. W. F. 10:10-11:00 a.m. | Kopy |
| b. T. Th. 8:00-9:15 p.m. | Alpern |
| c. M. W. 6:30-7:45 p.m. | Jancura |

Lakewood

204. **INTERMEDIATE ACCOUNTING II.** Analysis and interpretation of accounting statements and reports for management purposes. Prereq.: Accounting 203. Cr. 3. \$84.

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| T. Th. 6:30-7:45 p.m. | Clinkenbeard |
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*303. **ADVANCED ACCOUNTING I.** Partnerships, insurance, insolvencies, foreign exchange, estates and trusts, budgets; branch accounting, and consolidations. Prereq.: Accounting 204. Cr. 3. \$84.

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| a. M. F. 11:15 a.m.-12:30 p.m. | Clinkenbeard |
| b. T. Th. 8:00-9:15 p.m. | Clinkenbeard |

*305. **FEDERAL TAXES.** Income tax laws and their application; preparation of tax returns. Prereq.: Accounting 204. Cr. 3. \$84.

M. W. 8:00-9:15 p.m.

Braden

*306. **ADVANCED FEDERAL AND STATE TAXES.** Federal corporate income taxes and Ohio taxes on corporations. Preparation of returns. Prereq.: Accounting 305. Cr. 3. \$84.

T. Th. 6:30-7:45 p.m.

Knittel

309. **INTRODUCTORY COST ACCOUNTING.** Material, labor, and overhead costs of processes, operations, and units of product; inventory records; controlling accounts; factory ledgers; cost statements and reports. Prereq.: Accounting 104. Cr. 3. \$84.

a. T. Th. 11:00 a.m.-12:15 p.m.

Dickerson

b. M. W. 6:30-7:45 p.m.

Dickerson

*310. **STANDARD COSTS.** Advantages and limitations of standard costs. Normal return on investment, pricing problems, clerical work simplification, standard selling and delivery costs. Prereq.: Accounting 309. Cr. 3. \$84.

M. W. 6:30-7:45 p.m.

Tucker

314. **FUNDAMENTALS OF AUDITING.** Verification of financial statements, transactions, and accounting procedures. Professional ethics. Internal control and audit. Prereq.: Accounting 204 and 309. Cr. 3. \$84.

T. Th. 8:00-9:15 p.m.

*350. **C.P.A. PROBLEMS.** Thorough review of accounting and auditing theory, and current tax laws; development of skill and speed in problem analysis and solution. Prereq.: Accounting 304 and written permission of the chairman. Cr. 4. \$112.

F. 6:30-9:30 p.m.

Roedger

December 1959-May 1960

BANKING AND FINANCE

310. **CREDITS AND COLLECTIONS.** See M. and M. 310.

*336. **BUSINESS CYCLES: The Problem of Full Employment.** See Economics 336.

341. **MONEY AND BANKING.** Money and banking system of the U.S. including the nature and functions of money. Prereq.: Economics 201. Cr. 3. \$84.

a. M. W. F. 9:05-9:55 a.m.

Whitsett

b. T. Th. 6:30-7:45 p.m.

Whitsett

342. **FINANCIAL INSTITUTIONS.** Principles of savings and borrowing through non-commercial financial institutions. Nature and economic significance of real estate loan, consumer credit, farm loan, trust, savings and other institutions. Prereq.: Economics 201. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m.

Whitsett

355. CORPORATION FINANCE. Corporate financing, methods of securing and managing capital; distribution of net income. Prereq.: Accounting 103 and 104. Cr. 3. \$84.

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| a. M. W. F. 10:10-11:00 a.m. | Dawson |
| b. M. W. 8:00-9:15 p.m. | Dawson |
| c. M. W. 8:00-9:15 p.m. | Lakewood McCarter |

356. INVESTMENTS. Financial problems of individuals in purchasing stocks and bonds. Attention to current problems. Prereq.: Banking and Finance 355. Cr. 3. \$84.

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| M. F. 11:15 a.m.-12:30 p.m. | Dawson |
|-----------------------------|--------|

359. INSURANCE. Principles and practices of insurance corporations in the U.S. Open to Juniors and Seniors without prerequisite. Cr. 3. \$84.

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| T. Th. 8:00-9:15 a.m. | Lewis |
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BUSINESS LAW

329. BUSINESS LAW I. Legal problems most frequently met in business. Law of contracts, agency, bailments, sales and negotiable instruments. Cr. 3. \$84.

- | | |
|----------------------------|-----------------|
| a. M. W. F. 8:00-8:50 a.m. | DeVine |
| b. T. Th. 8:00-9:15 p.m. | Weidner |
| c. M. W. 6:30-7:45 p.m. | Lakewood Druhot |

330. BUSINESS LAW II. Continuation of Business Law 329. Cr. 3. \$84.

- | | |
|-----------------------|---------|
| T. Th. 8:00-9:15 a.m. | Weidner |
|-----------------------|---------|

ECONOMICS

201. ECONOMIC PRINCIPLES AND PROBLEMS I. National income; markets and business organization; labor; money, credit, banking, business fluctuations. Open to second semester freshmen. Cr. 3. \$84.

- | | |
|------------------------------|----------------|
| a. M. W. F. 10:10-11:00 a.m. | McMillan |
| b. M. W. F. 10:10-11:00 a.m. | Barloon |
| c. M. W. 1:00-2:15 p.m. | Chang |
| d. T. Th. 8:00-9:15 a.m. | Young |
| e. M. W. 8:00-9:15 p.m. | Barloon |
| f. T. Th. 8:00-9:15 p.m. | Wolpert |
| g. M. W. 8:00-9:15 p.m. | Lakewood Brown |

202. ECONOMIC PRINCIPLES AND PROBLEMS II. A continuation of Economics 201 which is a prerequisite. Cr. 3. \$84.

- | | |
|---------------------------|--------|
| a. T. Th. 9:30-10:45 a.m. | Young |
| b. M. W. 8:00-9:15 p.m. | Jerrow |

***306. INTERMEDIATE ECONOMIC THEORY.** Analysis, theory and practice. Demand and supply. Production and costs. Prices. Income distribution. Profits and the problem of stability of the economic system. Prereq.: Economics 202. Cr. 3. \$84.

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|---------------------------------|-------|
| a. T. Th. 11:00 a.m.-12:15 p.m. | Chang |
| b. T. Th. 6:30-7:45 p.m. | Chang |

***309. INTERNATIONAL ECONOMICS.** Evolution of the present international economy, stressing the change in institutional mechanisms as they are adapted to a changing world economy. Prereq.: Economics 202. Cr. 3. \$84.

- | | |
|-----------------------|-------|
| T. Th. 8:00-9:15 p.m. | Chang |
|-----------------------|-------|

***312. ECONOMIC GEOGRAPHY.** See Geography 312.

***316. TRANSPORTATION.** See Marketing and Merchandising 316.

***331. LABOR PROBLEMS.** Collective bargaining; management and labor. Prereq.: Junior, senior or graduate standing. Cr. 3. \$84.

- | | |
|-----------------------|-------|
| T. Th. 6:30-7:45 p.m. | Young |
|-----------------------|-------|

***336. BUSINESS CYCLES: The Problem of Full Employment.** Business fluctuations; cycle theories; proposals to maintain full employment; forecasting. Prereq.: Economics 202. Cr. 3. \$84.

- | | |
|----------------------------|----------|
| a. M. W. F. 9:05-9:55 a.m. | McMillan |
| b. M. W. 8:00-9:15 p.m. | McMillan |

359. INSURANCE. See Banking and Finance 359.

***363. COLLECTIVE BARGAINING CONTRACTS.** See Industry 363.

***391. MANAGEMENT ECONOMICS.** See Industry 391.

INDUSTRY

249. PRINCIPLES OF INDUSTRIAL MANAGEMENT. Decisions in factory management, planning and controlling operations. Prereq.: Sophomore standing. Cr. 3. \$84.

- | | |
|----------------------------|------------|
| a. M. W. F. 9:05-9:55 a.m. | Tunncliffe |
| b. T. Th. 8:00-9:15 a.m. | Tunncliffe |
| c. M. W. 6:30-7:45 p.m. | Hewitt |

254. ELEMENTS OF SUPERVISION. Recognition of individual differences, preventing problems, handling grievances, directing employees. Prereq.: Sophomore standing or current experience as supervisor. Cr. 2. \$56.

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|-------------------|----------|
| M. 8:00-9:45 p.m. | Lakewood |
|-------------------|----------|

257. **INDUSTRY LABORATORY: Methods and Time Standards.** Job simplification, process analysis and charting and time standards. Prereq.: Industry 249. Cr. 3. \$84.

T. Th. 9:30-10:45 a.m.

Cummins

260. **OFFICE MANAGEMENT.** See Office Administration 260.

*330. **PURCHASING: Principles and Problems.** See M. and M. 330.

*331. **LABOR PROBLEMS.** See Economics 331.

352. **INDUSTRY LABORATORY: Plant Layout.** Economical selection; arrangement, controlled utilization of facilities accomplishing production schedules. Prereq.: Industry 249. Cr. 3. \$84.

M. W. 8:00-9:15 p.m.

Dougherty

353. **PERSONNEL MANAGEMENT.** Labor market analysis, recruitment, selection, placement, training, merit rating, compensation practices, employee welfare, union relationships. Prereq.: Industry 249 or Economics 331. Cr. 3. \$84.

a. M. W. F. 10:10-11:00 a.m.

Tunncliffe

b. M. W. 6:30-7:45 p.m.

Lakewood

*363. **COLLECTIVE BARGAINING CONTRACTS.** Criteria in negotiation. Grievance procedures, mediation and arbitration techniques, contract design, and drafting. Prereq.: Industry 353 or Economics 331. Cr. 3. \$84.

M. W. F. 9:05-9:55 a.m.

Dahl

*367. **INDUSTRY LABORATORY: Production Control.** Design of effective procedures for planning and controlling flow of work. Cases analyzed, system designed for equipment layout. Prereq.: Industry 249 or 340. Cr. 3. \$84.

M. W. 6:30-7:45 p.m.

Dougherty

*384. **STATISTICAL QUALITY CONTROL.** See Statistics 384.

*391. **MANAGEMENT ECONOMICS.** Analysis of American industries; basic technologies, raw materials, requirements, dynamics of progress, capital requirements and markets. External forces analyzed and related to basic managerial problems. Prereq.: Industry 249 or 340 and Economics 202. Cr. 3. \$84.

T. Th. 8:00-9:15 a.m.

Childs

*392. **PRINCIPLES OF TRAINING AND DEVELOPMENT.** Mechanics of a training program covering planning, installing, coordinating, and controlling a typical program for a large or small company. Prereq.: Industry 353 or current responsibility in training. Cr. 3. \$84.

M. W. 6:30-7:45 p.m.

Uhlik

*395. **INDUSTRIAL RELATIONS.** Case study of dynamic situations. Integration of pertinent administrative principles and social disciplines. Prereq.: Industry 353 or Economics 331 or graduate standing. Cr. 3. \$84.

T. Th. 6:30-7:45 p.m.

MANAGEMENT

399. **BUSINESS POLICY.** Case analysis to develop perspective and judgment through application of principles learned in other courses. Prereq.: Completion of all basic Business requirements. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m.

Dolva, Cox

MARKETING AND MERCHANDISING

(For courses in **REAL ESTATE** turn booklet over to cover entitled
NON-CREDIT OFFERINGS)

201. **PRINCIPLES OF MARKETING.** Channels of distribution, middlemen, methods of sale, warehousing, transportation, financing, price policies, competition, unfair trade practices, regulation of marketing activities. A survey of current practices. Cr. 3. \$84.

a. M. W. F. 10:10-11:00 a.m.

Cox

b. T. Th. 11:00 a.m.-12:15 p.m.

DeMello

c. M. W. 6:30-7:45 p.m.

Bergman

d. T. Th. 6:30-7:45 p.m.

Allen

e. M. W. 8:00-9:15 p.m.

Lakewood

Cermak

205. **SALESMANSHIP.** Economic and psychological relationships between customer needs, buying and product performance affecting sales of industrial goods, consumer goods, and intangibles. Cr. 2. \$56.

T. 8:00-9:45 p.m.

Steinwart

*301. **INDUSTRIAL MARKETING.** Principles and practices. How industrial goods are sold, channels of sale, industrial sales organization, and policies. Prereq.: M. and M. 201 or 340. Cr. 3. \$84.

T. Th. 6:30-7:45 p.m.

Lawyer

302. **MARKETING POLICIES.** Cases in marketing problems, advertising and sales administration; channels of distribution and promotional strategy. Analysis of trends. Prereq.: M. and M. 201. Not open to students who have completed M. and M. 202. Cr. 3. \$84.

T. Th. 9:30-10:45 a.m.

Hoffman

310. **CREDITS AND COLLECTIONS.** Nature and functions of credit: problems and duties of credit manager; credit information, terms, collection correspondence and methods. Prereq.: M. and M. 201 and Accounting 103. Cr. 3. \$84.

M. W. 8:00-9:15 p.m.

Dugas

***316. TRANSPORTATION.** Development of transportation systems; costs; rate determination; financing and management of carriers, water carriers, air lines, pipe lines. Prereq.: M. and M. 201 or 340 or Economics 202. Cr. 3. \$84.

M. F. 11:15 a.m.-12:30 p.m. Barloon

***330. PURCHASING: Principles and Problems.** Industrial procurement; principles, policies, procedures, and problems. Prereq.: Industry 249 or 340 or M. and M. 201 or 340. Cr. 3. \$84.

M. W. F. 10:10-11:00 a.m. Hoffman

***349. SALES PERSONNEL AND SALES MANAGEMENT.** Organization; sales managers' functions; forecasting; quotas; territories; selection and training; expenses; supervision. Prereq.: M. and M. 301 or 302 or 340. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m. Lawyer

350. ADVERTISING PRINCIPLES. Psychological and economic factors determining advertising plans, appeals, and media. Layout typography and production methods. Prereq.: M. and M. 201. Cr. 3. \$84.

T. Th. 8:00-9:15 p.m. Cox

362. PRINCIPLES OF RETAIL MERCHANDISING. Store location; merchandise classification; types of organization; publicity; general policies. Prereq.: M. and M. 201. Cr. 3. \$84.

M. W. F. 9:05-9:55 a.m. Hoffman

OFFICE ADMINISTRATION

150. OFFICE METHODS AND PROCEDURES. Emphasis on office responsibilities, including the establishment of proper records and follow-up systems and the handling of confidential transactions. Cr. 3. \$84.

M. W. F. 10:10-11:00 a.m. Nixon

254. ELEMENTS OF SUPERVISION. See Industry 254.

260. OFFICE MANAGEMENT. Comprehensive application of modern management principles and practices in the organization, operation, and control of office functions. Cr. 2. \$56.

M. 6:00-7:45 p.m. Parker

223. EXECUTIVE SECRETARYSHIP. Responsibilities; preparation of office manuals and special reports; planning work schedules; selecting and testing clerical applicants. Cr. 2. \$56.

W. 6:00-7:45 p.m. Nixon

***335. METHODS OF TEACHING BUSINESS SUBJECTS.** Up-to-date methods and materials, classroom techniques, supplementary materials, and teaching devices included. Required for state certification for teaching business subjects. Prereq.: Consent of instructor. Cr. 3. \$84.

As arranged Nixon

359. INDUSTRIAL PSYCHOLOGY. See Psychology 359.

***392. PRINCIPLES OF TRAINING AND DEVELOPMENT.** See Industry 392.

STATISTICS

219. ELEMENTARY STATISTICS. Collection, presentation, analysis and interpretation of numerical data; tabular and graphic presentation; frequency distribution; central tendency; dispersion, skewness; normal curve; reliability and significance; simple correlation. Cr. 3. \$84.

a. M. W. F. 8:00-8:50 a.m. Wadsworth

b. M. F. 11:15 a.m.-12:30 p.m. Reinke

c. T. Th. 9:30-10:45 a.m. Childs

d. M. W. 6:30-7:45 p.m.

e. M. W. 8:00-9:15 p.m.

f. T. Th. 6:30-7:45 p.m. Wadsworth

g. M. W. 6:30-7:45 p.m. Lakewood

***320. APPLIED BUSINESS STATISTICS.** Time series, secular trends, seasonal and cyclical movements, index number construction, budgeting. Prereq.: Statistics 219. Cr. 3. \$84.

T. Th. 11:00 a.m.-12:15 p.m. Childs

***384. STATISTICAL QUALITY CONTROL.** Shewhart control charts for variables; fraction defective and defects; statistical aspects of tolerances; statistical sampling plans; organization and management of a statistical-quality-control program. Prereq.: Statistics 219. Cr. 3. \$84.

M. W. 6:30-7:45 p.m. Berrettoni

— FILL IN THIS FORM — TEAR OFF — MAIL IN —

On September 19, 1959 and thereafter contact the Counseling Office and register in person.

Mail Enrollment Form for **CREDIT COURSES** and **DEGREE PROGRAMS**

CLEVELAND COLLEGE • Newton D. Baker Memorial Bldg. • 10950 Euclid Ave. • Cleveland 6, Ohio

Name _____
Last First Middle

Address _____
street & number city & zone

Telephone: business _____ ext. _____ home _____

Age: over 21? _____ If under 21, indicate date of birth _____

Occupation _____ former student of WRU? _____ New student? _____

Attention: Educational Counselor:

I have consulted the Schedule Booklet and would like to enroll for the following course(s):

Course No.	Course Title	Days	Hours	Place
(Example) English 253	Representative Authors	T-Th	7:00-8:15 p.m.	Clark 203
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Please mail me the necessary forms to complete my registration by mail.

*Do you wish to become a candidate for:

- ☐ a Bachelor's Degree?
(Bachelor of Arts,
Bachelor of Science,
Bachelor of Business Administration)

in what field? _____

- ☐ a Certificate in Business Administration?

*(Degree Candidates must follow procedure outlined under
"Who Can Take Courses" on page 4.)

- ☐ Are you enrolling under the benefits of PL 550 (Korean)?

- ☐ Do you wish to be an auditor? (See Page 4.)

- ☐ Do you wish an appointment with a Counselor to help plan
a program of study?

(These two items for new students only:)

High School attended: _____

No. years: _____ Grad. Date: _____

College(s) attended:

Name

Dates

For Non-Credit Offerings turn this Booklet over

For Credit Courses turn this Booklet over

SHORT COURSES ENROLLMENT BLANK

—For General Education Division courses only—

Name _____ Address _____ Zone _____ Telephone: Home _____ Business _____ Where Employed _____ Position _____

Please enroll me in the following Short Courses.

Course No.	Course Title	Day	Hour
SS-20	Vocabulary	Tuesday	6:30 P.M.
(example)	Building		

For tuition fees see descriptions of courses.

Make check payable to Western Reserve University, and mail to Western Reserve University, General Education Division, Newton D. Baker Bldg., Cleveland 6, Ohio.

If you are driving to campus please give us the following information:

Make of car _____ License No. _____ Name of owner if not your own _____

You may add \$1 fee for a parking sticker to the tuition payment.

ENROLLMENT BLANK

—for Real Estate Courses only—

Mail to: Special Courses
Cleveland College
10950 Euclid Avenue
Cleveland 6, Ohio

Name _____ LAST _____ MIDDLE _____ FIRST _____ Address _____ (STREET AND NUMBER) _____ CITY & ZONE _____ Telephone: business _____ ext. _____ home _____ Occupation _____ former student of WRU? _____ New student _____

I would like to enroll for the following Real Estate Courses:

Course No.	Course Title	Day	Hours	Place

I enclose \$ _____ for enrollment in _____ courses at \$56.00 each. (Please make checks payable to Western Reserve University) For those students attending classes at the University campus, parking permits may be purchased at the first class meeting at \$1.00 each.

WORLD POLITICS PROGRAM IN CLEVELAND

presented by
Western Reserve University
in cooperation with

The Cleveland Council on World Affairs and The Cleveland Public Library

Discussion groups meeting once a week for ten weeks at downtown, campus and neighborhood locations. FALL series begins the week of September 28.

The program has been designed to provide an opportunity for busy men and women to increase their understanding of fundamental problems in world politics and to form their own sound and independent judgment on matters of public policy both domestic and foreign.

ENJOY ten lively evenings in discussion groups of 15 to 30 interesting people. The weekly two-hour sessions are not lectures, but "person-to-person" informal discussions guided by trained leaders and stimulated by specially prepared readings, about 50 pages for each session. You may select a discussion group from the following listed offerings.

WORLD POLITICS — *Understanding Issues and Events in the International Arena.* In fascinating argument and opinion, modern and classical statesmen, politicians and philosophers challenge you to a fresh awareness of your own political convictions. This unique study and exchange of judgments will far many pre-conceived political ideas, and will help you to broaden your concept of individuals and states and their intricate relationships in today's crucial world politics. Combined with your own, the divergent points of view of political authorities insure lively and rewarding discussions.

DEMOCRACY — U. S. A. *People, Power and Politics in America.* In this group you will examine the fascinating questions — political, social, philosophical and economic — that are basic to America's unique society of free men. The debates, sparked by the beliefs and opinions of participants as well as the authorities included in the specially prepared readings, will give you a new awareness of the broad and complicated problems inherent in our American way of life.

AMERICAN FOREIGN POLICY — *America and the Rest of the World.* We criticize it, defend it, worry about it, but what *is* our American Foreign Policy? What should it try to accomplish? This series probes your own and others' reactions to policy problems of the recent past, the present and the future. American foreign policy, from Washington's *Farewell Address* to the latest development of the Cold War, appears as a continuous debate. Background material from eminent authorities — both American and foreign — stimulates discussion.

RUSSIAN FOREIGN POLICY — *What guides Russian Foreign Policy?* This advanced discussion series explores such pertinent questions as: What motivates the people and government of Russia? How significant are age-old imperial ambitions? Is communist ideology the major factor in Soviet foreign policy decisions? Readings range from essays in economics, anthropology, and history, to poems, historical accounts and official documents.

ECONOMICS AND POLITICS — A discussion series geared to current economic controversies concerning monopolies, small business, the farm problem, labor unions, inflation, the tariff and free trade. Readings include Schumpeter, Adam Smith, Peter Drucker, Phillip Murray and many other economists, statesmen, politicians and labor and management executives.

CASE STUDIES in AMERICAN POLITICS — Current dilemmas in American politics come to life through the dramatic form of these new case studies — from desegregation to dropping of the atomic bomb.

Tuition for each discussion group is \$10.00 per person or \$15.00 for a married couple. There is a slight additional cost for reading materials. For a descriptive folder including information on the locations, dates and times of groups meeting in your neighborhood, please return the attached coupon or call "WORLD POLITICS", CE 1-7700.

WORLD POLITICS PROGRAM

**Western Reserve University,
Newton D. Baker Bldg.
10950 Euclid Avenue,
Cleveland 6, Ohio.**

Please send me descriptive literature on the WORLD POLITICS program including the schedule of all groups.

NAME _____ PHONE _____

ADDRESS _____ CITY _____ ZONE _____

SPECIAL COURSES

Any business, educational, charitable, or labor organization and every profession is invited to consult with **SPECIAL COURSES**, CE 1-7700, Extension 613. This is a department of the University qualified to plan unique programs of study concerned with the advanced in-service training of any group.

Problem centered in its approach, the personnel of this department first consider the facilities of the University required to present the best educational program to resolve the problem of any group. After this has been determined, the method and pattern best suited to the group is decided.

Those wishing further information on how to plan Special Courses for their groups should call **SPECIAL COURSES**, CE 1-7700, Extension 613.

CERTIFICATE IN REAL ESTATE

A Certificate in Real Estate is offered by Western Reserve University in cooperation with the Cleveland Real Estate Board. The Certificate is designed to prepare candidates for the State examination for licensed real estate brokers. Candidates for the Certificate are required to complete 8 courses in Real Estate. Of the 8 courses the following are required of all candidates:

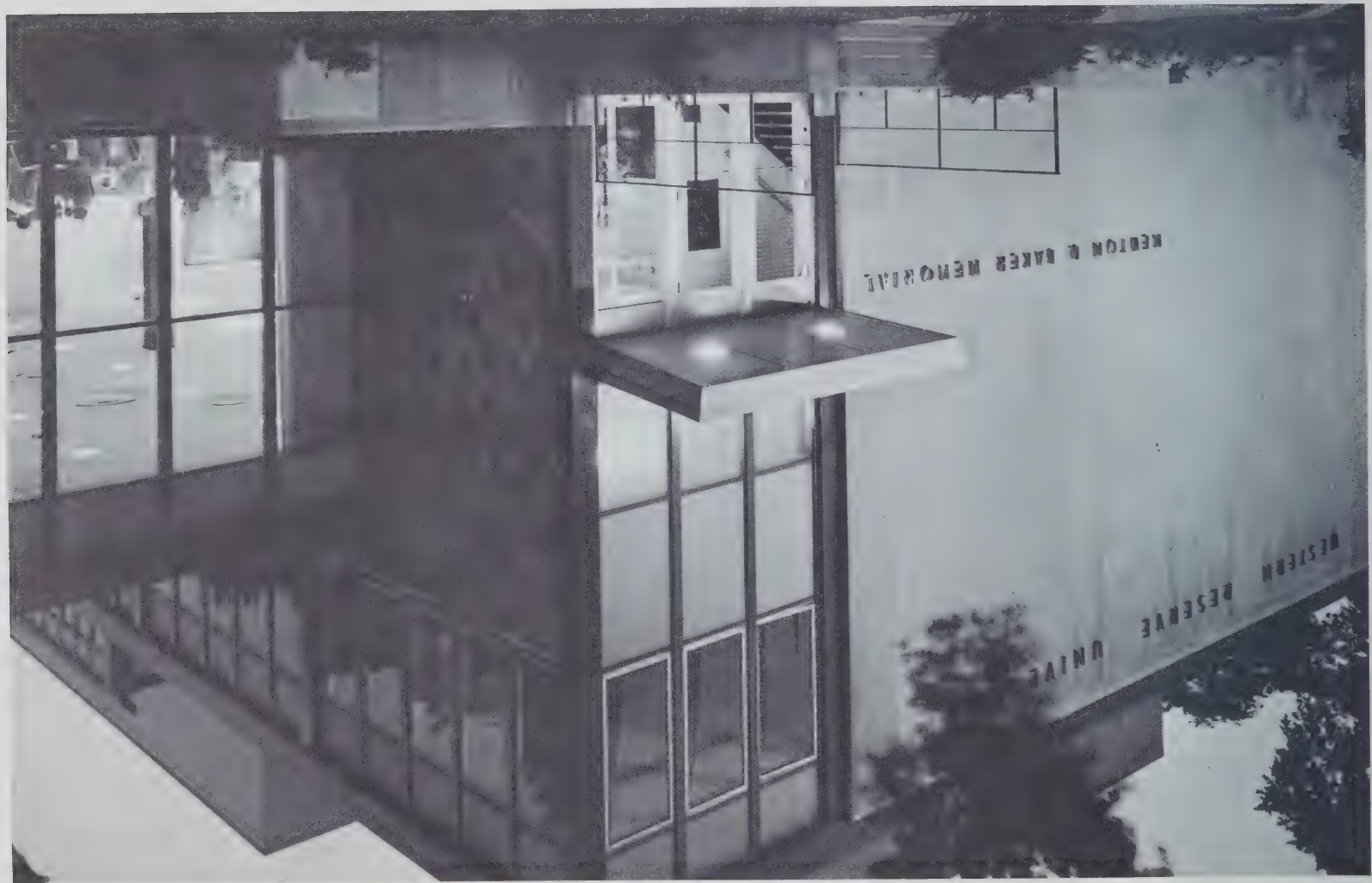
Real Estate 51	Real Estate Principles and Practices I
Real Estate 52	Real Estate Principles and Practices II
Real Estate 57	Real Estate Law
Real Estate 59	Real Estate Financing
Real Estate 63	Real Estate Sales and Brokerage
Real Estate 72	Public Speaking
Real Estate 53	Valuation of Residential Properties
Real Estate 55	Inspection of Residential Construction
Real Estate 58	Real Estate Management
Real Estate 71	Real Estate Salesmanship
Real Estate 73	Problems and Case Studies in Appraisals
Real Estate 74 & 75	Valuation of Income Properties

In addition the candidate elects 2 courses from the following:

Real Estate Courses to be offered during the fall semester 1959 are:

51. **REAL ESTATE PRINCIPLES AND PRACTICES I.** Sales, appraisals, subdividing and developing, financing, escrow and title work, taxes and assessments, legal aspects, construction, advertising, market trends. **NO CREDIT \$56.00.**
 - a. W. 6:00-7:45 p.m. Baker Bldg., Rm. 18
 - b. M. 6:00-7:45 p.m. The Arcade Rowland
 - c. M. 6:00-7:45 p.m. Lakewood Braman
52. **REAL ESTATE PRINCIPLES AND PRACTICES II.** Continuation of 51. **NO CREDIT \$56.00.** M. 6:00-7:45 p.m. The Arcade Jusek
53. **VALUATION OF RESIDENTIAL PROPERTIES.** Methods and processes leading to the accumulation, analysis and interpretation of data used to establish the valuation conclusion. **NO CREDIT \$56.00.** W. 6:00-7:45 p.m. The Arcade Merrell
57. **REAL ESTATE LAW.** Basic legal phases of realty transactions from the listing of the property to the closing of the escrow. **NO CREDIT \$56.00.** T. 6:00-7:45 p.m. The Arcade Baker
63. **REAL ESTATE SALES AND BROKERAGE.** A new and comprehensive study of the license law, salesman — broker relationship, terminology, listing, purchase agreement, loans, escrow instructions and statement, land contracts, expenses, method of establishing a business, sales techniques, trades, building contracts, construction deeds, mortgages, office records and procedures, transfer of title. **NO CREDIT \$56.00.** Th. 6:00-7:45 p.m. The Arcade Janus

Registration for the Real Estate courses will take place in Room 108, The Arcade on Wednesday, September 23, Thursday, September 24, Monday, September 28, and Tuesday, September 29 from 5:30 to 8:00 p.m. Those students enrolling for a Real Estate course meeting on the University campus will register in Room 18 of the Newton D. Baker Building, 10950 Euclid Avenue, Wednesday, September 30 at 5:30 p.m. Those wishing to register by mail may do so by filling out and returning the enrollment blank on page 12.



NEWTON D. BAKER MEMORIAL BUILDING

CONTEMPORARY PHILOSOPHY

Allen Memorial Library Auditorium
Mondays at 10:30 a.m.

Euclid Avenue and Adelbert Road
October 5 "BRITISH ANALYSTS AND SCPECTICAL DOUBTS ABOUT OUR KNOWLEDGE" Alice A. Lazercowitz

presented by Smith College

October 12 "ETHICS AND VALUES IN RECENT, POPULAR, SOCIAL ANALYSIS" Robert A. Cornett

presented by Randolph-Macon College

October 19 "THE MODERN NOVEL AND THE CONDITION OF MAN" Joseph G. Brennan

presented by Barnard College

October 26 "EXISTENTIALIST COURAGE AND THE COSMOS" Evelyn Ann Masi

presented by Mount Holyoke College

(Parking: Mayfield Lot — 150 feet south of Euclid Avenue on Mayfield Road, and Church of the Covenant, 11205 Euclid Avenue)

Membership dues, \$2.00 annual and \$5.00 sustaining, entitles members to attend the Fall Lecture Series and other activities of The Women's Association. Please make checks payable to The Women's Association of Cleveland College and mail to Room 116, Newton D. Baker Building, Cleveland 6, Ohio. For information call CBdar 1-7700, Extension 609. The public is invited.

For Short Courses Enrollment Blank
see page 12

PARKING

Requests for campus parking space exceed the space available. The privilege of parking on the campus is granted only to students who must drive cars to reach the campus. Parking permits may be requested at the time of registration. A charge of \$1.00 is payable when the permit is issued. Permits must be obtained for each series of the short courses. Parking permits merely authorize holders to park on campus; they do not guarantee a place to park.

Daytime parking is available only in the large lot at the rear of Severance Hall. Evening parking (after 4:00 p.m.) is available in the *Severance lot, 2110 Abington Road, 2107 Adelbert Road (rear), 2035 Adelbert Road, Pierce Hall-Adelbert Gymnasium, Cutler Hall at 2100 Adelbert Road, Beaumont Hall at 2035 Abington Road (rear), and through the courtesy of University Hospitals, in the large lot on the South side of Mayfield Road, off Euclid Ave.

*On Thursday evenings when there is a concert in Severance Hall, the Musical Arts Association has the use of the lot and there is a charge for parking after 8:00 p.m.

LOCATION OF SHORT COURSES

Newton D. Baker Memorial Building, Euclid Avenue at Adelbert Road.
Art Studios, 1695 Magnolia Drive.
Freiberger Library, 11161 East Blvd.
Home Economics Building, 2023 Adelbert Road.
Interior Design Studios, 1725 Magnolia Drive.
Mather Memorial Building, Bellflower and Ford Drive.

LIVING ROOM LEARNING COURSES

The following courses came into being through The Women's Association of Cleveland College aided by a grant from the Cleveland Foundation. They are led by individuals not professionally engaged in teaching but with a zest for exploration of ideas. They are given at times and places set by an interested individual. This individual (we call him or her a Responsible Friend) finds the place, the twenty people necessary for a group, and suggests the hour, day and dates. Any organization, approved by the General Education Division and with an established treasury, may sponsor a course as a part of its own fund-raising program. For further information please call the office, CE 1-7700, Extension 609.

AMERICAN HISTORY AND DEMOCRACY

AMERICAN POLITICAL PARTIES—*Beatrice Shoup*
THE ANATOMY OF A CONSTITUTIONAL LAW CASE—*Carol Emerling*
DETOCQUEVILLE'S VIEW OF AMERICA—*Mary Adelaide Mendelsohn*
JOHN BROWN'S BODY—*Charles Clarke, Jr.*
THE STORY OF THE AMERICAN HOUSE—*Elizabeth Neavill*
THOMAS JEFFERSON, VERSATILE AMERICAN—*Alice Davis*
WORLD HISTORY: ITS GEOGRAPHIC SETTING—*Helen Wallace*

THE ARTS

LOOKING AT MODERN PAINTING—(*instructor to be announced*)
MUSICAL LANGUAGE: FROM SOUND TO SYMPHONY—*Dorothy Selker*

MONEY MATTERS

STOCKS AND BONDS AND POCKETBOOKS I & II—*Kathryn W. Moore*

COMMUNICATIONS

THE ABC OF SYMBOLS—*Eleanor Ford*
BASIC FRENCH I AND II—(*instructor to be announced*)
AN INTRODUCTION TO SPANISH—*Katherine L. Pervis*
PARLIAMENTARY PROCEDURE—*Frances Halle*
READING AND CONVERSATION IN FRENCH—*Simonne Weston*

IDEAS AND IDEALS SHAPING OUR WORLD

THE ANCIENT CIVILIZATIONS OF PERU—*Claire Duwkin*
BOOKS THAT CHANGED THE WORLD—*Sue Kent*
THE CHRYSANTHEMUM AND THE SWORD—*Claire Duwkin*
CULTURAL PATTERNS AND TECHNICAL CHANGE—*Claire Duwkin*
EUROPEAN POLITICAL PARTIES—*Beatrice Shoup*
AN INTRODUCTION TO ARCHAEOLOGY—*Worth and Louise Loomis*
PATTERNS OF CULTURE—*Claire Duwkin*
THE ROMAN WAY—*Michael Linton*
VIEWPOINTS ON EDUCATION—*Katherine B. Shurtleff*

LITERATURE

CONTEMPORARY ITALIAN FICTION—*Albert I. Borowitz*
EIGHT GREAT COMEDIES—*Chloe Oldenburg*
GEORGE BERNARD SHAW: PLAYBOY AND PROPHET—*Chloe Oldenburg*
NOVELS YOU MAY HAVE MISSED—*Dorothy Gorman*
THE PLEASURES OF POETRY—*Eleanor Ford*
READ-ALoud-TIME—*Ruth Scherer Hughes*

NEW SLANTS ON OLD SUBJECTS

GRANDMOTHER'S CLINIC—*Dorothy Draz*

RELIGION

LIVING RELIGIONS—*Sue Kent*

SCIENCE

EXPLORING NATURE WITH YOUR CHILD—*Eleanor Rose*
ON UNDERSTANDING SCIENCE—*Jane Holmes*

TRAVEL

SAINT PAUL THROUGH MODERN EYES—*Elizabeth Scher*

VOCABULARY BUILDING (S5-20) concentrates on the study of words—their definition and usage—with special emphasis on teaching the student to express himself accurately in well-constructed sentences. Eight sessions. \$12.50.

Sept. 29-Nov. 17
T. 6:30-7:45 p.m.
Ellen Fenner Wilde
Baker 8

WRITING FOR CHILDREN WORKSHOP (S5-64) is an advanced course. New applicants will be interviewed by Mrs. Leuser, and must present either a completed manuscript or detailed plans for one, along with samples of work. Appointments made through the office. Manuscripts limited. Eight sessions. (Class meets once a month.) \$25.

Th. 7:30-9:30 p.m.
Oct. 8, Nov. 12, Dec. 10, Jan. 14,
Feb. 11, Mar. 10, Apr. 7, May 12
Eleanor D. Leuser
Baker 17

WRITING FOR PUBLICATION WORKSHOP (S5-64). Have you ever wanted to write for children or about them? There is a good market for children's stories, articles, plays and books. Come and learn the basic techniques and get constructive criticism of your manuscripts with marketing advice. Ten sessions. \$20.

M. 8:00-9:15 p.m.
Sept. 28-Nov. 30
Eleanor D. Leuser
Baker 202

MARKETING THE FEATURE ARTICLE (S5-62) offers basic methods and techniques employed in writing feature articles for publication. The course will include a thorough study of subjects and markets, as well as a step-by-step analysis of preparing an article for sale. Each student will complete at least one feature article during the course. Eight sessions. \$16.

Sept. 30-Nov. 18
W. 6:30-7:45 p.m.
Bernice Bornick
Baker 202

FRENCH CONVERSATION I (S5-41) is designed for those who have had little or no formal study of French, and who want to learn the basic vocabulary, pronunciation, and sentence structure needed for travel or business. Ten sessions. \$16.

Oct. 2-Dec. 11
F. 6:30-7:45 p.m.
(no class Nov. 27)
Catherine M. Lee
Baker 215

FOREIGN LANGUAGES

Vocabulary building is stressed for beginners, and for those who want to "brush-up" on a language offered; these short courses are essentially practical.

FRENCH CONVERSATION II (S5-41) is designed for those who already know elementary French, but who want to improve their skill in speaking and understanding the language. Special attention is given to vocabulary building, and to oral practice. Ten sessions. \$16.

F. 8:00-9:15 p.m.
Oct. 2-Dec. 11
(no class Nov. 27)
Catherine M. Lee
Baker 215

BEGINNING SPANISH I (S5-21) is designed for those who have had no Spanish. The emphasis is on pronunciation, functional grammar, and the conversational vocabulary used in everyday life situations. Ten sessions. \$16.

T. 6:30-7:45 p.m.
Sept. 29-Dec. 1
Mary L. Do-Pieri
Baker 10

BEGINNING SPANISH II (S5-21) is designed for those who already know some elementary Spanish, but who want to improve their conversational skill and understanding. Both aural and oral practice build greater ease in business or travel use. Ten sessions. \$16.

T. 8:00-9:15 p.m.
Sept. 29-Dec. 1
Mary L. Do-Pieri
Baker 10

PRACTICAL ARTS

Long before the era of "Do-It-Yourself" became an American pastime as well as a slogan, the General Education Division was offering practical courses such as these.

INTERIOR DECORATING I (S6-43) teaches the basic principles of color and design used in good decorating. Discussion covers the choice of furniture shapes, colors, and materials for home interiors, as well as house plans and furniture arrangements. Eight sessions. \$12.50.

a. M. 2:00-3:15 p.m.
Robert W. Parker
Mather 222

b. M. 6:30-7:45 p.m.
Sept. 28-Nov. 16
Robert W. Parker
Mather 225

PATTERN DESIGN I (S6-77) is for those who already know the fundamentals of dressmaking and want to learn more about using and making patterns. Students learn some of the principles of flat pattern design, and construct a basic pattern to serve as a later basis for designing garments and as an aid in the fitting of commercial patterns. Eight sessions. \$25.

W. 6:30-8:30 p.m.
Sept. 30-Nov. 18
Dorothy Turbinski
Interior Design Studios

PARLIAMENTARY PROCEDURE (S5-11) offers actual practice in applying the rules governing group meetings. The course is designed for the busy, active people who are chairmen or members of groups, and who want to have an easy, confident command of parliamentary procedure. Practice covers such details as which speaker to recognize, how motions should be put, how they are handled and amended—all the techniques of conducting a meeting correctly and participating in it effectively. Eight sessions. \$12.50.

Th. 6:30-7:45 p.m.
Oct. 1-Nov. 19
Robert A. Lang
Baker 8

BETTER SPELLING AND PRONUNCIATION THROUGH PHONICS (S5-51) is designed for adults who grew up without a good understanding of the basic sounds of American English, spelling and speech. Especially helpful to foreign-born people who have a speaking and reading knowledge of English, but who want to speak and spell accurately. Students are given dictation, oral drill, and writing assignments to practice what they learn. Ten sessions. \$20.

Th. 8:00-9:15 p.m.
Sept. 29-Dec. 1
Ellen Fenner Wilde
Baker 8

READING FOR EXPRESSION (S5-89) emphasizes practice in projecting the meaning of the written word to the listener—with vivid and animated speech. This practice provides a background for group leaders and others interested in dramatics, choral speaking or any presentation of written material. Poetry, verse dialogue and narrative, and some prose will be interpreted by solo and choral speaking, with class discussion and criticism. Eight sessions. \$12.50.

M. 8:00-9:15 p.m.
Sept. 28-Nov. 16
Mildred Gordon
Baker 8

WRITING AND RELATED COURSES

To express oneself well and effectively on paper is the object of these courses. Adults who seek help in the ability to write well for pleasure or for gain will benefit by a selection from courses in this section.

CREATIVE WRITING WORKSHOP (S5-54) is concerned primarily with the oral reading and informal discussion of short stories, essays, and articles written by members of the Workshop. The instructor will give written criticism of the members' work and will make optional assignments. Members are urged to submit writing done during the course. Eight sessions. (Meets every other week.) \$20.

M. 7:30-9:30 p.m.
Sept. 28-Jan. 4
Clark Livensparger
Baker 17

PROJECTION TECHNIQUES (S6-12) offers practical experience in the operation and maintenance of the 16mm sound motion picture projector. Designed primarily for group leaders, the course will cover in addition to projection techniques, the selection and sources of materials and the preparation of the viewing area. Class members will be assisted in integrating films into their current program planning. Six sessions. \$15.

Th. 6:30-8:30 p.m.
Sept. 29-Nov. 3
James A. Chesbrough
Baker L-3

COMMUNICATION COURSES

Improvement in oral communication for business or purely personal reasons is the subject matter of these courses. Mastery of the spoken word is the goal of those who enroll.

COMPARATIVE LANGUAGE (S3-74) is a study of the relations that the languages of the West (English, French, German, Spanish, Italian, Russian, Greek, etc.) bear to each other. The course is designed to give the student a solid background and foundation in the English language through an understanding of its origins and relationships. Emphasis will be given to derivation of words, the formation of compound words and the use of suffixes in words derived from other languages. Text-book to be selected and announced prior to commencement of course. Ten sessions.

M. 6:30-7:45 p.m.
Sept. 28-Nov. 30
Lawrence E. Broth-Kahn
Baker 10

EFFECTIVE PRACTICAL SPEAKING (S5-60) is designed to assist speakers to overcome nervousness, to acquire poise and confidence, and to organize and to present ideas so as to win audience response. This course is of particular interest to persons in business, industry, politics, and the professions who seek speech improvement. The course is practical rather than technical in nature. Eight sessions. \$16.

Th. 8:00-9:15 p.m.
Oct. 1-Nov. 19
Robert A. Lang
Baker 8

LANGUAGE LABORATORY TECHNIQUES (S6-14) will cover the skills necessary to the operation of small and medium size language laboratories. Proper handling of the instructor's console unit and the student's booth unit will be demonstrated, as will the techniques used in the creation of "master" and student drill tapes. Sample tapes will be made by the class. In view of the many different types of commercial language laboratory equipment available, time will be devoted to the discussion of these differences and how they affect the teaching procedure. The thirty-six booth facilities of the Agnes Durcan Memorial Language Laboratory will be available for class use. Four sessions. \$15.

S. 9:30 a.m.-12:30 p.m.
Oct. 24-Nov. 14
James A. Chesbrough
Mather 244

PSYCHOLOGY LECTURE SERIES

by GEORGE W. ALBEE
Professor of Psychology

"HUMAN NATURE AND SOCIAL CRISIS"

A series of eight lectures relating facts and theories of modern psychology to urgent social problems. Man's nature is examined as it contributes to war, prejudice, and strife. Some highly controversial suggestions are made aimed at the resolution of a number of social problems. Each lecture will be followed by opportunity for discussion.

1. Synthesis of theories of human motivation.
2. Use and misuse of human intelligence.
3. Sources and consequences of human hatred.
4. World crises: population and war.
5. Failures and failures of the industrial society.
6. The struggle between power and reason.
7. Status and the urge to conformity.
8. Security, freedom, and self-actualization.

Fee: \$12.50 and \$6.25 for each additional family member.
T. 8:00-9:15 p.m.
Sept. 29-Nov. 17

GENERAL COURSES

Any adult who feels an urge to join a group of kindred souls to study and discuss a subject of mutual interest will find stimulation in any of the subjects which follow.

CREATIVE COOKERY FOR THE GOURMET (\$6-4) is offered for the experienced hostess to enrich her culinary background both for her family and for home entertaining. It is not suitable for the novice who needs to become proficient in the fundamentals. The meetings, under competent and experienced guidance, will be held in the well equipped foods laboratory. Twelve sessions. \$55 (includes all costs).
W. 1:00-4:00 p.m.
Sept. 23-Dec. 16
(no class Nov. 25)

REMEDIAL READING (\$5-48) improves the reading skills needed for business, study, or pleasure, with emphasis on speed and comprehension. Personal reading programs and help with individual reading problems are given, along with group study and practice. A useful basic course for students, business and professional people—for anyone who wants or needs to read well. Eight sessions. \$16.
Mary L. Vincent
Baker 202
Oct. 2-Nov. 20
F. 6:30-7:45 p.m.

LAW FOR THE LAYMAN I (\$5-2) is intended as an introduction to law, combined with a non-technical discussion of subjects comprising what is usually called "business law". It is designed to aid the layman to recognize legal problems and to broaden his general field of knowledge. In addition to a general introduction to law and the means of enforcing it, it will include a discussion of such subjects as real estate transactions; leases and rights and liabilities of landlords and tenants; creditor and debtor relations; and employer and employee relations. Methods of conducting business, including proprietorships, partnerships and corporations will be covered, as well as the advantages and disadvantages of each; and a short resume of the law of bankruptcy will be given. Ten sessions. \$16.

Th. 6:30-7:45 p.m.
Oct. 1-Dec. 10
(no class Nov. 26)
LEARNING TO PAINT AND DRAW (\$6-80) attempts to develop in the beginner sensitivity to subject matter, design, form, color, and their inter-relationships. The students may choose casein paint, charcoal, pen and ink, lithograph crayon, pastel, or other materials. Eight sessions. \$20.

a. W. 10:00 a.m.-12 noon
Sept. 30-Nov. 18
b. F. 7:00-9:00 p.m.
Oct. 2-Nov. 20
Marion Miller Epstein
Art Studios
Marion Miller Epstein
Art Studios

WHERE, WHEN, WHY OF AMERICAN ANTIQUES (\$4-11), an introduction to glass, silver, china, furniture, tools, textiles, toys, and gadgets. A study of style, customs and decorating from early American to Victorian. Field trip planned. Eight sessions. \$12.50.
W. 8:00-9:15 p.m.
Sept. 30-Nov. 18

PTA LEADERSHIP TRAINING COURSE (\$5-39) is designed to train members of Parent-Teacher Associations in the leadership techniques needed for the successful conduct of study discussion groups. Current issues of the National Parent-Teacher Magazine supply the study materials. Eight sessions. \$20.
F. 1:30-3:30 p.m.
Oct. 2-Nov. 20
Grazella P. Shepherd
Baker 17

MODERN LANGUAGE OF MATHEMATICS (\$5-91) is designed to provide, for the layman, some insights into the world of modern mathematics. Among the ideas to be discussed are the concept of a variable, logic, elementary set theory and simple probability. Eight sessions. \$12.50.
M. 6:30-7:45 p.m.
Sept. 28-Nov. 16
Ruth D. O'Dell
Baker 202

LIBERAL ARTS

The courses offered help modern Americans to understand the World in which they live. Here is an adult study approach to subjects which help one to have an appreciation of some of the events taking place in the 20th Century World.

COMPARATIVE RELIGION I (S3-24) is a study of the elements of religion: God and the supernatural as conceived in the ancient religions of the East and in the Judeo-Christian tradition. Ten sessions. \$16.

Th. 8:00-9:15 p.m.

(no class Nov. 25)

Ile Forest
Baker 202

THE "JOB" THEME IN LITERATURE (S3-73) is a study of the problems of man's relation to the universe, of suffering, of the interplay of good and evil and of their inherent nature—as exemplified in the great works which have dealt with these themes: *Job*; and the current Pulitzer-prize winning *J.B.* Ten sessions. \$16.

Lawrence E. Broh-Kahn

Baker 202

W. 8:00-9:15 p.m.

Sept. 30-Dec. 9

(no class Nov. 25)

LIVING LAW: MAN'S SERVANT FOR PEACE AND FREEDOM (S5-92) will discuss such questions as: What makes law live in our industrial, urban community? Does law control man or man control law in our daily lives? Can law satisfy our dreams for peace, freedom and abundance? Six sessions. \$15.

Oliver Schroeder, Jr.

Baker 17

W. 7:00-9:00 p.m.

Sept. 30-Nov. 4

POETRY FOR DELIGHT (S3-12) is devoted to the reading and discussion of some fifty modern poems which "begin in delight and end in wisdom." Included are poems by Dylan Thomas, T. S. Eliot, Marianne Moore, E. E. Cummings, and others often considered difficult. Studying this challenging material will equip the group to enjoy other contemporary poetry as well. Writers of verse should also find stimulation in the readings. Eight sessions. \$12.50.

Vonna H. Adrian

Baker 202

T. 8:00-9:15 p.m.

Sept. 29-Nov. 17

THE ST. LAWRENCE SEAWAY (S2-94) promises great industrial and commercial benefits to residents of northeastern Ohio. What is it? How did it come about? What is its probable impact on our economic and social life? Discussion in this course will explore these and other aspects of the new Seaway. Six sessions. \$10.

Katharine B. Shurtleff

Baker 215

M. 8:00-9:15 p.m.
Sept. 28-Nov. 2

READING VERGIL (S5-90). An experimental course aimed at giving practice in two activities: one, reading Latin poetry aloud; two, understanding Latin poetry when read aloud. Some time in each meeting will be given to literary criticism, but the principal aim will be the reading and hearing of the poetry.

No translations will be made, but all prospective students should know High School Latin, and should review Book One for the opening session.

The 4th and the final meetings (October 27, November 17) will be held at Gwin, the Mather estate.

Eight sessions. \$12.50.

T. 8:00-9:15 p.m.

Sept. 29-Nov. 17

Francis R. Bliss and
William Sylvester
Baker 17

REBEL THINKERS I (S3-25) is a study of leaders—the remarkable men who shape human progress. The course explores the characteristics, powers, and abilities of exceptional men, the effect of their original thinking on history, and how they used their extraordinary gifts of thought and expression to influence mankind. Among those to be studied (with others to be agreed upon): Amos, Plato, Lucretius, Jesus, Montaigne, Spinoza, Napoleon, Beethoven, Marx, and Goethe. Ten sessions. \$16.

M. 8:00-9:15 p.m.

Sept. 28-Nov. 30

Lawrence E. Broh-Kahn
Baker 10

SCIENCE FICTION AND UTOPIAS (S3-75). Science fiction will be viewed "horizontally" as a manifestation of the mental climate of our time, and "vertically" as an outgrowth of the machine age—the modern counterpart of the older and historically more important literary genre known as utopias. Connections between science fiction motives and historic events such as the discovery of atomic energy, the Marshall Plan, the Sputnik, will be traced. The significance of this fiction for charting the future course of our society will be explored. The course will provide ample time for discussion and opportunities for individual studies and reports. Eight sessions. \$12.50.

M. 6:30-7:45 p.m.
Sept. 28-Nov. 16

Robert Plank
Baker 215

HOW-TO-STUDY SCHOOL

(Three Sessions)

Conducted by
DR. ILSE FOREST
of Western Reserve University

September 8, 9, 10, 1959

Tuesday, Wednesday and Thursday

7:00 p.m. to 9:30 p.m.

Room 121 Newton D. Baker Building
Euclid Avenue at Adelbert Road

Attention will be directed to: how to take, collate and file notes; how to establish habits of study; how to prepare reports and bibliographies. FEE for the three sessions is \$2.00 to those registering in the General Education Division Fall short courses; \$5.00 to others.

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HOW TO BE A GOOD BOARD MEMBER

This one-day institute is designed to help establish a common understanding of the obligations and responsibilities of board members and officers. Mrs. Milton M. Halle, skilled in such matters and in parliamentary procedure, will alternate with Mrs. Arthur Shepherd in the conduct of the sessions. Fee \$6 (includes lunch).

Saturday, September 19, from 10:00 a.m. to 2:00 p.m. Newton D. Baker Building, Room 119, Euclid Avenue at Adelbert Road.

HOW-TO-USE-THE-LIBRARY ONE DAY INSTITUTE

This institute will be held in the Western Reserve University Freiburger Library and is open to all who want to know how to best use a library. There will be explanation of card files, indexes, guides, dictionaries, encyclopedias: of ways to locate information. This will be followed by experiment and practice so that all registered have actual experience in using these tools.

Saturday, September 26, 1959
10:00 a.m. - 1:00 p.m.

Fee: \$5.00

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CHANNELS FOR COMMUNICATION BETWEEN PROFESSIONALS AND LAYMEN IN EDUCATION

How shall professionals and laymen communicate? What rights and courtesies are involved? What channels are available? These are problems in all associations of men. In this institute we shall consider them in relation to education. A panel composed of professionals and laymen will present and discuss the problems involved. Fee: \$7.50.

10:00 a.m. - 4:00 p.m.
Saturday, Nov. 7

Hatch Auditorium
Baker Building

FALL SERIES

SHORT COURSES

September 8 - December 11, 1959

REGISTRATION PROCEDURE

Registration is open now. Students may register for Short Courses in person, by telephone, or by mail. To insure a place in a class, please make a telephone reservation. A check or money order for tuition must accompany registration sent in by mail: see the enrollment blank on page 12. Address: Western Reserve University, General Education Division, Newton D. Baker Building, Cleveland 6, Ohio. Telephone: CEDar 1-7700, Extension 611.

Offices of the General Education Division, Room 116, Newton D. Baker Building, Euclid Avenue at Adelbert Road, are open for registration from 8:30 a.m. to 5 p.m. Monday through Friday. Evening registration by appointment only.

PLEASE NOTE: Refunds and transfers on Short Courses will be honored only if requested the day following the first class session.

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UNIVERSITY FACILITIES FOR YOUR USE

All members of General Education Division classes are invited and urged to use all the facilities of the University campus: the Library, 11161 East Boulevard; the Cafeteria, behind the Student Union, open until 6:45 p.m.; the Student Union, 11111 Euclid Avenue, lounge, snack bar, and recreation rooms open until 10:30 p.m.

THE BOOK SALE

Thursday, September 24 — 10:00 a.m. to 9:00 p.m.
Friday, September 25 — 10:00 a.m. to 6:00 p.m.

During this sale sponsored by The Women's Association of Cleveland College, over 20,000 volumes including Literature, Biography, History, Children's books, Religion, College texts, Encyclopedia sets, and Science, change hands in two days. The public is invited.

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GENERAL EDUCATION DIVISION AWARD

Open to those registered in the FALL 1959 program of the General Education Division.

An award of \$50 will go to the writer of the best paper on the subject **THE PERSON FROM WHOM I LEARNED THE MOST**
What did you learn? What qualities in the person led you to learn?
Was he trying to teach you? Were you trying to learn?

All material must be typewritten double spaced on 8½ x 11 paper with name and address of the writer appearing on an attached sheet or an enclosed envelope. The manuscript should not exceed 400 words. The paper must be submitted by December 1, 1959 to: Mrs. Arthur Shepherd, Western Reserve University, Room 116 Baker Building, Cleveland 6, Ohio.

foreword

The courses listed on the following pages are the results of many, many conversations with faculty members and with men and women of various ages and backgrounds. Some of the men and women continue to feel the need of tools; some are concerned to know—some to know how—and some have reached the ruminative reflective stage of tools. A good number want to learn to read more rapidly, to use words more effectively and accurately, to speak more effectively, to write more communicatively; others want to know facts: who said or did what, when and why, to know trends and the reasons for them; those who reflect want to relate their tools and knowledge to their own lives and times.

The course descriptions are honest but it is not possible to project adequately the breadth and depth of the usefulness of the courses—not their stimulus and inspiration, to the searching student. The leader brings his taste and experience and sense of values to the class discussion of the subject where the consideration of ideas provides exhilarating enjoyment and concern. More important than acceptance or rejection of ideas, and more pervasive and lasting, is the habit of honest examination with the acceptance or rejection made after individual personal reflection. These personal reflections exercise and feed the mind and constitute habits of great benefit to a growing person of any age.

Every course offered has been carefully considered in the effort to ensure to those who register the highest possible return for the money and the precious time and energy they expend.

GRAZIELLA P. SHEPHERD

Director

General Education Division



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WINTER SESSION • 1959

Newton D. Baker Memorial Building

Cleveland, Ohio

NON-CREDIT OFFERINGS
for Courses for College Credit
Turn Booklet Over

CLEVELAND COLLEGE of
WESTERN RESERVE UNIVERSITY